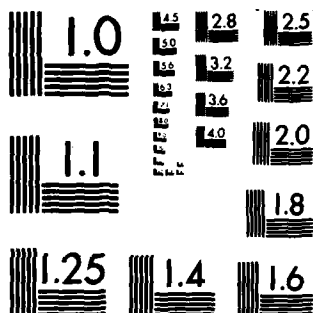


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A large grid of 100 squares, arranged in 10 rows and 10 columns. The top-left square is shaded black, representing 1% of the total area.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

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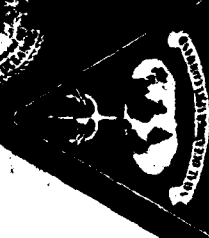
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION: #13601 Bermuda
PERIOD: HOURLY 1/70-12/79
DAILY 1/49-12/82

JOB NO. 72006 DATE September 1984

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
NSTL MS 39529

NAVY
NAVAL OCEANOGRAPHY
STATION AND DETACHMENT,
FEDERAL BUILDING
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Bermuda		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) NA		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		12. REPORT DATE September 1984
		13. NUMBER OF PAGES 358
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO. ON SUMMARY:		STATION NAME:		LATITUDE:		LONGITUDE:		STATION ELEV. (FT)		CALL SIGN:		WHO NUMBER:	
13601		Bermuda		32° 22' N		64° 40' W		11		MKKF		78016	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF BARQ LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FEET	TYPE BAROMETER					
1.	N. wall of Weather Service Office Bldg 1 W. wall of Weather Service Office Bldg 42	Navy	1948	1954	32° 16' N	64° 51' W	40.8	Mercurial					
2.		"	1954	1960	"	"	44.0						
3.		"	1960	1966	"	"	44.0						
4.		"	1966	1969	"	"	30.5	"					
1a.	Weather Service Office, Bldg 1 Weather Service Office, Bldg 42	"	1960	1966	"	"	47	Aneroid					
2a.		"	1966	1969	"	"	32						
5.	Moved to Kindley AFB 22 Oct 69. Relocation effective 1 July 70.	"	1968*		32° 22' N	64° 40' W	4.0	Fortin					
3a.	Building 1079	"	1977		"	"	9.0	Aneroid					
	*Kindley AFB												

SURFACE WIND EQUIPMENT INFORMATION					REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
NUMBER OF LOCATION	DATE OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1948	Roof of Admin. Building	ML 400B/UMQ 5	RD-108A	91'	1. Barograph (ML 563A/UM) 2. Auto Met Sta (GMQ 29) 3. Ceiling light (ML 121) 4. Cloud height set (GMQ 13A) (2 ea) 5. Theodolite (ML 247) 6. Radar (FPS-106) 7. Radiosonde (GMD-1) 8. APT (AN/GKR-4)
2.	1954	Roof of control tower	"	RD-108B	61'	
3.	1960	Roof of AN/GMQ 14A shed	"	"	102 MSL	
4.	1960	Roof of hangar #1	"	"	75 MSL	
5.	1966	Third deck roof of Bldg 42	"	"		
6.	1966	Transmitter also 1600' W from end of runway 30	*UMQ 5	RD-108B	8'	
7.	1970	Moved to Kindley AFB 22 Oct 69. Relocation effective 1 July 70. 600' S from end of runway 12	*UMQ 5	"	12'	

NWSD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WEAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

STATION NAME YEARS MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	11	.6	71.0			.0	71.0	1.0	10.0		.1	10.0	177
		.6	71.0		.	1.0	71.0	0.0	10.0			1.1	7
		.0	66.0			.0	66.0	.0	10.0			50.0	1
		.6	66.0			.0	66.0	.0	10.0			10.0	4
		.0	66.0			.0	66.0	1.0	10.0			10.0	1
		.7	61.7			.1	61.7	0.0	10.0			71.0	147
		1.0	60.0				60.0	.1	10.0			1.0	172
		1.3	50.0				50.0	.0	10.0			.0	0
		11.0	14.0				14.0	.4	1.0			10.0	7
		.7	66.0				66.0	.0	1.0			11.0	90
		.0	67.0			.0	67.0	.0	11.0			10.0	60
		.0	71.0			.0	71.0	.0	10.0			11.0	12
TOTALS		.0	66.0		.	.0	66.0	1.0	10.0		.0	1.0	1007

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[illegible]

WEATHER CONDITIONS

MONSIEUR

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR -SLEET-	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
		.	. .				.	.	10.			17.	70
		.	. . .				. .	. 7	19.			18.	- -
		.	. .				. .	10.	10.			16.	70
	11		10.				10.	. 7	16.			16.	77
	1 7	16.			16.	70
	11		10.				. 7	.	22.			21.	70
		.	10.				.		16.			16.	70
		.	7.				. .		10.			10.	700
TOTALS		. .	10.				.	. .	17.			16.	70

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Figure 1. The effect of the number of trials on the mean accuracy of the responses ($n = 10$) as a function of the number of items ($n = 8$). Error bars represent standard error.

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
							.0		11.0			11.0	11
		.	11.0				1.0	.0	18.0			1.0	11
		.	11.0				11.0	.0	17.0			17.0	11
	11	.	6.0				.0	.0	1.0			1.0	11
	10	.	10.0				.0	.0	21.0			1.0	11
	10	.	6.0				6.0	.0	1.0			1.0	11
	9	.	4.0				4.0		2.0			2.0	11
	20	.	3.0				3.0		1.0			1.0	11
TOTALS		.	7.0				7.0	.0	17.0			17.0	11

[illegible]

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AID/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Jan		0.0	1.0				0.0		7.0			7.0	1.0
Feb		1.0	0.0				0.0		7.0			7.0	1.0
Mar		0.0	1.0				0.0		10.0			10.0	1.0
Apr	1.0		0.0				0.0		10.0			10.0	1.0
May	1.0	0.0	4.0				0.0		14.0			14.0	1.0
Jun	1.0	0.0	0.0				0.0		17.0			17.0	1.0
Jul		0.0	0.0				0.0		10.0			10.0	1.0
Aug	1.0	0.0	0.0				0.0		10.0			10.0	1.0
TOTALS		0.1	6.0				0.0		10.0			12.0	7.0

[illegible][illegible]

WEATHER CONDITIONS

STATION

STATION NAME

STARS

ALPHABET

(continued)

[illegible]

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WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

[illegible]

[illegible][illegible]

WEATHER CONDITIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Jan	11.1	0.1	0.1				0.1	0.1	0.1			0.1	24.6
Feb	11.1	0.1	1.0		0.1		1.0	0.1	11.0			1.0	20.0
Mar	11.1	0.1	0.1				0.1	0.1	1.0			1.0	24.0
Apr	11.1	0.1	0.1				0.1	0.1	1.0			1.0	26.0
May	11.1	0.1	0.1				0.1	0.1	1.0			1.0	26.0
Jun	11.1	0.1	0.1				0.1	0.1	1.0			1.0	26.0
Jul	11.1	0.1	0.1				0.1	0.1	1.0			1.0	26.0
Aug	11.1	0.1	0.1				0.1	0.1	1.0			1.0	26.0
Sep	11.1	0.1	0.1				0.1	0.1	1.0			1.0	26.0
Oct	11.1	0.1	0.1				0.1	0.1	1.0			1.0	26.0
Nov	11.1	0.1	0.1				0.1	0.1	1.0			1.0	26.0
Dec	11.1	0.1	0.1				0.1	0.1	1.0			1.0	26.0
TOTALS		0.1	7.0		0.1		0.1	0.1	11.0			1.0	26.0

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JANUARY 1970-DECEMBER 1979

STATION NAME

STATION NAME

STATION NAME

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS (ICE CRYSTALS)	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	0	5.7						0.1			1.7			28.7
NNE	0										3.6			33.1
NE	0	2.6	1.4								1.4			6.1
ENE	4.0	7.0	2.3								4.7			21.4
E	0	1.3									1.0			22.0
ESE	0										4.0			25.2
SE	0										2.7			20.0
SSE	0	3.9	1.0								7.8			22.1
S	0	7.6	0.4								11.2			76.7
SSW	7.0	6.3	0.3						0.1		14.2			74.2
SW	0	5.7						0.1			6.1			24.4
WSW	0	0.1	0.4					0.1			7.0			75.7
W	1.0	11.0						0.1			13.1			74.9
WNW	1.0	1.7						0.1			11.7			73.7
NW	0	1.0						0.1			4.7			24.1
NNW	0.4	2.7	0.7					0.1			0.1			27.0
VARIABLE														
CALM														
TOTAL	0	1.6	0.8					0.1	1.0	0.1	20.1			20.1
% TOTAL	0.0	1.7	0.8					0.1	0.2	0.1	20.1			20.1

TOTAL NUMBER OF OBSERVATIONS 2,473

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: J. M. A. 1975-1976 CEN. F. 1979

MONTH: FEBRUARY

YEAR: 1979

STATION NAME: J. M. A. 1975-1976 CEN. F. 1979

MONTH: FEBRUARY

YEAR: 1979

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	0.0	1.2	1.3								0.4			8.0
NNE	0.0	2.4									0.7			0.4
NE	0.0										0.7			0.0
ENE	1.0		0.6								0.6			7.0
E	0.0	0.5							0.0		0.6			7.0
ESE	0.0	7.1	1.4					1.0	1.4		0.7			71.0
SE	0.0							1.0			0.6			0.7
SSE	0.0	0.0	1.0								0.0			0.0
S	0.0	4.7						1.0	0.0		0.8			0.0
SSW	0.0	0.5	0.3								0.6			0.0
SW	1.0	0.1									0.0			77.0
WSW	0.0	0.0									0.0			0.0
W	0.0	0.0						1.0			0.0			0.0
WNW	0.0	7.6									0.1			0.0
NW	0.0	7.0	0.0								0.0			70.0
NNW	0.0	0.4									0.0			0.0
VARIABLE														
CALM														
TOTAL	0.0	1.1	0.0		0.0	0.0		1.0	0.0	0.0	0.0	0.0	0.0	176.0
% TOTAL	0.0	5.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	70.0

TOTAL NUMBER OF OBSERVATIONS: 176

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME YEAR MONTH DAY

STATION NAME YEAR MONTH DAY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	4.0									7.0			6.0
NNE	0.0	0.1							0.7	1.0	12.3			7.0
NE	0.0	0.1							1.0		4.0			0.3
ENE	1.0	6.0	1.0					1.0			1.0			7.0
E	0.0	0.0	0.0								1.0			7.0
ESE		0.0								1.0	5.0			0.0
SE	0.0	0.0							1.0		12.3			6.0
SSE	0.0	7.0	0.0								1.0			7.0
S	0.0	6.0	0.0								16.7			7.0
SSW	1.0	0.0	0.0								3.0			5.0
SW		0.0									2.0			6.0
WSW	1.0	5.0	1.0								1.0			6.0
W	0.0	0.0	0.0								1.0			0.0
WNW	0.0	0.0	0.0								1.0			0.0
NW	1.0	0.0	0.0								1.0			7.0
NNW	0.0	4.0	1.0								1.0			7.0
VARIABLE														
CALM														
TOTAL		1.0	1.0					1.0	1.0	1.0	3.0			1.0
% TOTAL	0.0	0.0	0.0					0.0	0.0	0.0	1.0			7.0

TOTAL NUMBER OF OBSERVATIONS 2475

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: 107700 01.05.1979 MONTH: APRIL

STATION NAME: 107700 01.05.1979 MONTH: APRIL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FG GROUND FIG	SMOKE HAZE	BLOWING SMOG	BLOWING SAND AND DUST	NO WEATHER
N	0	2.0								0.2			87.0
NNE	0	1.0	1.0							1.3			87.0
NE	0	1.0	1.0							0.2			87.0
ENE	0	0.0								0.7			88.0
E	0	1.0								1.0			86.0
ESE	0	0.0								1.0			74.0
SE	0	2.0	1.0					1.0	1.0	1.0			67.0
SSE	0	4.0						0	1.0	17.0			71.0
S	0	0.0						0	0.2	27.0			11.0
SSW	0	7.0						1.0	1.0	25.0			65.0
SW	0	4.0						1.0	0.5	24.0			71.0
WSW	0	1.0						0	0.3	27.0			67.0
W	0	0.0	0.3					0	0.3	19.0			76.0
WNW	0	0.0						0	0.1	10.0			80.0
NW	0	2.0						0	0.1	0.1			80.0
NNW	0	0.0						0	0.1	0.4			80.0
VARIABLE	0	0.0						0	0.1	0.4			80.0
CALM	0	0.0						0	0.1	0.4			80.0
TOTAL	0	3	0					0	7	410			1.0
% TOTAL	1.0	0.1	0.0					0.0	0.3	17.1			77.0

TOTAL NUMBER OF OBSERVATIONS: 130

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: JCS ADV 1970-5 CEN EN 1979 MONTH: MAY YEARS: 1979

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	•	1.7	•						•		2.4			27.1
NNE	•	2.4									17.1			24.2
NE	•	5.1	1.3								9.7			27.1
ENE	•	4.7	1.2								•			24.9
E	•	2.2	1.4								•			26.2
ESE	1.0	2.4	1.6								13.7			23.7
SE	1.0	2.7									13.7			24.7
SSE	2.0	4.6									27.1			71.8
S	1.0	4.9	•					•		•	25.1			71.1
SSW	2.3	7.7						•	1.2		23.3			67.3
SW	2.3	7.6									28.1			46.7
WSW	•	5.3						•			29.2			45.1
W	1.0	3.6									20.6			74.4
WNW	•	5.4									21.0			75.2
NW	•	2.0									23.5			76.5
NNW	•	3.1						1.0			17.3			79.6
VARIABLE														
CALM														
TOTAL	7	1.9	•					•	5	1	470			1682
% TOTAL	1.0	4.4	•					•	•	•	16.0			76.1

TOTAL NUMBER OF OBSERVATIONS 2,472

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: JAGUA 1977-0 024 02 1979 YEAR: MONTH: JUNE HOURS: 24

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N											7.1			07.1
NNE		3.1									14.5			51.6
NE		7.0						1.0			17.1			75.1
ENE	•	2.4	1.6								17.1			64.7
E		7.7	.4								11.7			65.8
ESE		7.2									9.7			92.1
SE		5.0	2.0					.7	1.4		11.0			10.0
SSE		2.7							.5		7.5			23.6
S	3.1	4.1									11.6			43.0
SSW	1.7	5.7	.3							.7	18.3			75.1
SW	1.0	3.6						1.4			25.5			65.7
WSW	1.4	1.9	.7					1.4			3.3			55.0
W		3.4	.5						.5		21.4			46.0
WNW	1.0	5.7						4.3	1.4		22.9			71.0
NW		6.8									11.8			48.0
NNW	4.0	2.9									27.5			70.0
VARIABLE														
CALM														
TOTAL	4	110	2					1	6	1	415			141
% TOTAL	•	5.0	.3					.3	.3	.7	17.3			76.7

TOTAL NUMBER OF OBSERVATIONS

240

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: STATION NUMBER: MONTH: YEAR: TOTAL NUMBER OF OBSERVATIONS: 24480

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.0						1.0			5.0			16.0
NNE	1.0	2.0									1.0			67.0
NE											26.0			75.7
ENE		3.0						1.0			10.0			16.0
E		1.0									1.0			84.7
ESE		2.0									2.0			89.0
SE	1.0	3.0						1.0			6.0			87.0
SSE		1.0						1.0			2.0			94.0
S		2.0									6.0			97.0
SSW		2.0									14.0			90.4
SW		1.0									12.0			77.7
WSW		1.0						2.0			22.0			65.0
W		1.0						2.0			22.0			70.0
WNW		1.0						4.0			14.0			73.0
NW		1.0						3.0			14.0			77.0
NNW		1.0									14.0			85.0
VARIABLE														
CALM														
TOTAL	1.0	2.0						2.0			30.0			87.0
% TOTAL	0.0	0.0						1.0			12.2			43.0

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: STATION 1070-0-06000 YEAR: 1979 MONTH: AUGUST HOURS: 0000

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		0.0						1.7			2.2			2.1
NNE		1.0									5.4			1.4
NE		1.0									6.4			2.3
ENE		0.0									0.7			5.7
E		0.7						1.1			0.6			6.1
ESE											0.2			7.8
SE		3.0									3.0			7.9
SSE		2.7									3.0			7.9
S		0.0						0.0			1.0			1.0
SSW		4.0						1.0			4.2			4.1
SW		0.7						1.1			0.7			3.4
WSW		0.4						0.7			14.0			7.5
W		4.0						1.0			24.3			7.0
WNW		0.0									11.0			3.4
NW		0.0						2.0			2.0			28.1
NNW		6.0									13.4			77.7
VARIABLE														
CALM														
TOTAL	1	11	1					2.0			157			21.8
% TOTAL	0.0	4.0	0.0					1.1			5.3			58.0

TOTAL NUMBER OF OBSERVATIONS: 21.8

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: JULIA 1970-06 CEMEX 1979 3575000

MONTH: YEAR: HOURS: 157

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	0	0.4						0.7	0.2		12.9			91.0
NNE	0	0.3						0.7			10.4			93.1
NE	0	0.5									10.2			99.7
ENE	1.0	3.0						0.4			5.6			89.5
E	0	2.0									5.7			94.3
ESE	0	0.3									7.7			92.1
SE	0	2.0						1.0			1.0			91.0
SSE	0	1.3									3.0			94.0
S	0	4.7						1.0	0.3		4.6			97.8
SSW	0	0.3						2.0			5.3			95.3
SW	1.0	7.0	0.8					1.6			3.2			95.5
WSW	0	0.3						1.0			10.1			89.1
W	0	7.0						1.0			11.4			81.0
WNW	0	1.0						1.0			27.1			70.8
NW	0	0.1						1.0			1.7			75.8
NNW	0	0.5												
VARIABLE														
CALM														
TOTAL	2.0	1.7	1					2.0	0.1	1	177			1.03
% TOTAL	0	4.5	0					1.2	0.1	0.1	7.4			96.8

TOTAL NUMBER OF OBSERVATIONS: 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: STATION 107-00 COMB 1979 MONTH: JUNE HOURS LISTED: 2000

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	1.0									1.0			4.0
NNE	1.0	5.0									1.0			8.0
NE		5.0									4.0			8.0
ENE		2.0	0.0								1.0			8.0
E	2.0	7.0						1.0			1.0			7.0
ESE	1.0	3.0						1.0	1.0		5.0			1.0
SE	1.0	3.0						1.0			1.0			1.0
SSE	2.0	4.0						1.0			6.0			1.0
S	1.0	4.0						1.0			6.0			1.0
SSW	1.0	5.0						2.0			2.0			1.0
SW		13.0						4.0			11.0			7.0
WSW		1.0									11.0			7.0
W		1.0									12.0			8.0
WNW		2.0									14.0			8.0
NW	1.0	2.0									11.0			5.0
NNW														
VARIABLE														
CALM														
TOTAL	1.0	1.0	1.0					1.0	1.0		1.0			2.0
% TOTAL	1.0	1.0	1.0					1.0	1.0		1.0			2.0

TOTAL NUMBER OF OBSERVATIONS 2000

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: JULIA V 1970-0 JANUARY 1979 N VEMCE

STATE: MONTH: YEAR:

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	5.0									6.0			1.0
NNE	0.0	2.0									5.0			1.0
NE	3.0										2.0			1.0
ENE	0.0	4.0	1.0								0.9			0.4
E	0.0	0.0	0.0								1.0			0.0
ESE	0.0		0.0								1.0			0.0
SE	0.0	3.0									0.8			0.0
SSE	0.0	0.0									0.0			0.0
S	0.0	6.0									1.0			0.0
SSW	0.0	7.0									0.2			0.0
SW	0.0	7.0									1.0			0.0
WSW	1.0	7.0									0.7			0.0
W	1.0	6.0									0.8			0.0
WNW	0.0	0.0									0.0			0.0
NW	0.0	0.0									1.0			0.0
NNW	0.0	0.0									0.6			0.0
VARIABLE														
CALM														
TOTAL	1.0	1.0	0.0								2.0			0.0
% TOTAL	1.0	0.0	0.0								0.0			0.0

TOTAL NUMBER OF OBSERVATIONS: 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: JALAPA - 1970-01-01 TO 1979-12-31

STATION NAME: JALAPA - 1970-01-01 TO 1979-12-31

MONTH

HOURS: 15.11

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEEP SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARIABLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
% TOTAL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS: 2,411

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME YEAR MONTH

STATION NAME YEAR MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	4.0	.1						.2		.1			18.1
NNE		1.3	.1						.2	.1	6.1			17.0
NE	1.0	3.0	.6						.1		7.1			36.3
ENE	1.0	3.0	1.7						.2		7.1			46.7
E	1.0	3.0	.3						.2		7.7			36.3
ESE	1.1	3.3	.3						.2	.1	7.8			45.3
SE	2.0	3.7	.3						.2		8.4			46.0
SSE	1.0	3.0	.3						.1	.1	8.2			45.3
S	1.0	3.1	.2						.1	.1	11.1			32.2
SSW	1.0	3.1	.2						.2	.1	15.2			75.9
SW	1.4	4.2							.1		15.6			76.5
WSW	1.0	7.5	.3					1.0	.1	.1	19.6			74.0
W	1.1	3.0	.1						.1	.1	17.3			74.3
WNW	1.0	3.6	.1						.1		11.7			40.7
NW	1.0	3.0	.2		.1				.1		11.1			41.7
NNW	1.0	4.1	.3						.1	.1	1.6			42.9
VARIABLE														
CALM														
TOTAL	7.0	1.13	5.6		1			171	40	12	3297			23.85
% TOTAL	1.0	1.3	0.2		.1			.1	.1	.1	11.3			41.7

TOTAL NUMBER OF OBSERVATIONS 2,193

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PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

SNOWFALL*

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NAME _____ YEARS _____

4 - 6 - 7 -

PRECIP. SNOWFALL SNOW- DEPTH	AMOUNTS (INCHES)																PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN	GREATEST	LEAST					
JAN	•	1.0	•	11.6	•	12.4	•	4.0	1.0	•	•	•	•	5.0	4.4	1.0	•				
FEB	•	1.0	•	11.1	•	12.7	•	5.0	1.0	•	•	•	•	4.0	4.1	0.7	1.0				
MAR	•	1.0	•	1.5	•	10.1	•	4.0	1.0	•	•	•	•	4.0	4.10	0.0	1.0				
APR	•	1.0	•	9.1	•	4.0	•	3.0	1.0	•	•	•	•	3.0	3.0	0.7	•				
MAY	•	•	•	6.2	•	6.3	•	1.0	1.0	•	•	•	•	3.0	3.36	0.7	•				
JUN	•	1.0	•	•	•	4.0	•	•	4.0	•	•	•	•	3.0	3.0	0.1	•				
JUL	•	1.0	•	•	•	5.0	•	4.0	7.0	•	•	•	•	4.0	4.50	0.0	•				
AUG	•	1.0	•	4.4	•	•	•	6.0	3.0	•	•	•	•	4.0	4.0	1.0	1.0				
SEP	•	1.0	•	6.4	11.0	•	10.3	7.0	9.0	•	•	•	•	3.0	3.26	0.7	•				
OCT	•	1.0	•	7.1	10.0	•	9.2	7.0	7.0	•	•	•	•	5.0	4.52	1.0	1.0				
NOV	•	•	•	•	•	•	•	•	•	•	•	•	•	4.0	4.0	0.4	•				
DEC	•	1.0	•	6.7	1.0	7.0	9.0	•	•	•	•	•	•	3.0	4.0	1.0	1.0				
ANNUAL	•	1.0	•	•	•	•	9.0	7.0	•	7.0	•	•	•	4.0	4.7	•	•				

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NAME _____ YEARS _____

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)															
	PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST													
														SNOWFALL						NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4
JAN		•	•														1.1	2.2	•													
FEB		•	•														75	100	•													
MAR		•	•														•	•	•													
APR		•	•														•	•	•													
MAY		•	•														•	•	•													
JUN		•	•														•	•	•													
JUL		•	•														•	•	•													
AUG		•	•														•	•	•													
SEP		•	•														•	•	•													
OCT		•	•														•	•	•													
NOV		•	•														•	•	•													
DEC		•	•														•	•	•													
ANNUAL		•	•														117	•	•													

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

(FROM DAILY OBSERVATIONS)

STATION NAME _____ YEARS _____

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)			
	PRECIP.	NONE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00			OVER 20.00	MEAN	GREATEST	LEAST
	SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
	SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
	JAN	.																	
	FEB	.																	
	MAR	.																	
	APR	.																	
	MAY	.																	
	JUN	.																	
	JUL	.																	
	AUG	.																	
	SEP	.																	
	OCT	.																	
	NOV	.																	
	DEC	.																	
	ANNUAL	.																	

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

MONTH YEAR	STATION NAME												YEARS	
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS	
1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
11	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
15	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
17	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
20	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
21	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
22	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
23	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
26	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
27	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
28	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
29	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
31	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MEAN														
S D.														
TOTAL OBS.														

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

2 1011 11 11
(FROM DAILY OBSERVATIONS)

STATION NAME 4 - 5 - 7 - 10 YEARS

24 2000 HOURS IN 1900

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
2	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
3	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
4	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
5	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
6	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
7	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
8	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
9	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
10	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
11	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
12	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
13	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
14	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
15	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
16	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
17	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
18	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
19	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
20	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
21	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
22	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
23	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
24	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
25	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
26	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
27	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
28	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
29	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
30	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
31	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
MEAN	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
S.D.	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
TOTAL OBS.	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77

SMOS

EXTREME VALUES

RECAPITULATION
(FROM DAILY OBSERVATIONS)

STATION NAME

YEARS

SECRET

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

ON FILE
(FROM DAILY OBSERVATIONS)

STATION NAME YEARS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
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94													
95													
96													
97													
98													
99													
100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

STATION NAME

YEARS

4-5, 77-32

STUDENTS' RIGHTS

[illegible]

S.M.O.S.

EXTREME VALUES

—

YEARS

STATION NAME

STATION

FOR THE PURPOSES OF THIS FULL REPORT.

MEAN	S. D.	TOTAL OBS.
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SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

ON RECORD
(FROM DAILY OBSERVATIONS)

STATION 4-67-70-80 STATION NAME YEARS

DATE ENCL. DEPT. IN 1950

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
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9													
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97													
98													
99													
100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

199

THE UNIVERSITY OF CHICAGO

[illegible]

SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS!

4-6, 7-11

STATION

STATION NAME

YEARS

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 06-01-2001 BY 60322 PUL/BJP/STP

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1967 - 1967 1971-1971
STATION YEARS

STATION NAME

STATION

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.2	5.1	177			
2	0.0	0.0	160			
3	0.1	2.5	160			
4	0.2	5.1	160			
5	0.2	5.1	156			
6	0.7	17.8	167			
7	0.0	0.0	160			
8	0.0	0.0	163			
9	0.0	0.0	161			
10	1.0	25.4	161			
11	0.0	0.0	15			
12	0.0	0.0	173			
13	0.0	0.0	173			
14	0.1	2.5	160			
15	0.1	2.5	160			
16	0.0	0.0	161			
17	0.0	0.0	160			
18	0.2	5.1	160			
19	0.0	0.0	177			
20	0.0	0.0	177			
21	0.0	0.0	160			
22	0.0	0.0	160			
23	0.0	0.0	166			
24	0.0	0.0	167			
25	0.0	0.0	160			
26	0.1	2.5	160			
27	0.0	0.0	160			
28	0.0	0.0	160			
29	0.0	0.0	160			
30	0.1	2.5	166			
31	0.0	0.0	160			
Monthly	0.0	0.0	160			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	177			
2	0.1	2.5	195			
3	0.4	10.2	195			
4	0.1	2.5	197			
5	0.0	0.0	195			
6	0.0	0.0	197			
7	0.0	0.0	197			
8	0.0	0.0	195			
9	0.1	2.5	173			
10	0.6	15.2	197			
11	0.0	0.0	160			
12	0.1	2.5	157			
13	0.2	5.1	160			
14	0.0	0.0	167			
15	1.0	25.4	195			
16	0.0	0.0	177			
17	0.0	0.0	174			
18	0.3	7.6	195			
19	0.0	0.0	155			
20	0.0	0.0	195			
21	0.0	0.0	195			
22	0.0	0.0	195			
23	1.0	25.4	197			
24	0.5	12.7	177			
25	1.0	25.4	195			
26	0.0	0.0	174			
27	0.0	0.0	197			
28	0.1	2.5	195			
29	0.1	2.5	155			
30						
31						
Monthly	0.0	0.0	195			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1947-1947 1971-1973

STATION

STATION NAME

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	1 177			
2	0.1		177			
3	0.1	12	174			
4	0.1	24	172			
5	0.1	22	157			
6	0.1	4	150			
7	0.1	46	154			
8	0.1	23	177			
9	0.1	26	157			
10	0.4	37	152			
11	0.4	33	152			
12	0.4	11	150			
13	0.1	12	150			
14	0.2	33	155			
15	0.1	21	171			
16	0.1	19	155			
17	0.4	37	176			
18	0.1	26	152			
19	0.1	3	150			
20	0.2	10	155			
21	0.1	27	154			
22	0.1	27	157			
23	0.1	22	154			
24	0.1	46	176			
25	0.1	24	151			
26	0.4	37	152			
27	0.1	2	171			
28	0.1	26	175			
29	0.1	27	151			
30	0.2	22	154			
31	0.1	26	155			
Monthly	0.3	4	151			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	1	1951			
2	0.1	24	1972			
3	0.4	47	1952			
4	0.4	1	1959			
5	0.5	4	1977			
6	0.5	12	1961			
7	0.1	35	1972			
8	0.1	13	1968			
9	0.2	23	1976			
10	0.1	15	1974			
11	0.1	43	1961			
12	0.1	5	1958			
13	0.5	55	1961			
14	0.4	16	1957			
15	0.2	7	1967			
16	0.2	41	1962			
17	0.1	73	1956			
18	0.2	19	1971			
19	0.27	7	1979			
20	0.1	22	1987			
21	0.1	43	198			
22	0.3	34	197			
23	0.1	21	1971			
24	0.3	34	1945			
25	0.1	53	1953			
26	0.3	60	1959			
27	0.1	27	1977			
28	0.1	22	1967			
29	0.4	18	1967			
30	0.13	2	1958			
31						
Monthly	0.11	7	1956			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1946-1967 1970-1987

STATION NAME

STATION

July

MONTH

August

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.4	37	1967			
2	1.2	32	1977			
3	1.0	25	1967			
4	1.2	31	1977			
5	1.4	37	1967			
6	1.1	28	1967			
7	1.4	37	1977			
8	1.2	32	1967			
9	1.2	32	1977			
10	1.1	28	1977			
11	1.2	32	1977			
12	1.0	25	1977			
13	1.2	32	1967			
14	1.2	32	1977			
15	1.1	28	1977			
16	1.1	28	1967			
17	1.2	32	1977			
18	1.2	32	1967			
19	1.2	32	1967			
20	1.1	28	1967			
21	1.1	28	1967			
22	1.0	25	1967			
23	1.1	28	1967			
24	1.1	28	1967			
25	1.1	28	1967			
26	1.0	25	1967			
27	1.4	37	1967			
28	1.1	28	1967			
29	1.1	28	1967			
30	1.0	25	1967			
31	1.0	25	1977			
Monthly	1.4	37	1967			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	25	1977			
2	1.0	25	1967			
3	1.0	25	1967			
4	1.0	25	1967			
5	1.0	25	1967			
6	1.0	25	1967			
7	1.0	25	1967			
8	1.0	25	1967			
9	1.0	25	1967			
10	1.0	25	1967			
11	1.0	25	1967			
12	1.0	25	1967			
13	1.0	25	1967			
14	1.0	25	1967			
15	1.0	25	1967			
16	1.0	25	1967			
17	1.0	25	1967			
18	1.0	25	1967			
19	1.0	25	1967			
20	1.0	25	1967			
21	1.0	25	1967			
22	1.0	25	1967			
23	1.0	25	1967			
24	1.0	25	1967			
25	1.0	25	1967			
26	1.0	25	1967			
27	1.0	25	1967			
28	1.0	25	1967			
29	1.0	25	1967			
30	1.0	25	1967			
31	1.0	25	1967			
Monthly	1.0	25	1967			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION 12094 22001
1 4 1967 197 -1967

STATION NAME

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.4	6	1001			
2	.1	3	1004			
3	.1	3	1004			
4	.1	3	1004			
5	.1	3	1004			
6	.1	3	1004			
7	.1	3	1004			
8	.1	3	1004			
9	.1	3	1004			
10	.1	3	1004			
11	.1	3	1004			
12	.1	3	1004			
13	.1	3	1004			
14	.1	3	1004			
15	.1	3	1004			
16	.1	3	1004			
17	.1	3	1004			
18	.1	3	1004			
19	.1	3	1004			
20	.1	3	1004			
21	.1	3	1004			
22	.1	3	1004			
23	.1	3	1004			
24	.1	3	1004			
25	.1	3	1004			
26	.1	3	1004			
27	.1	3	1004			
28	.1	3	1004			
29	.1	3	1004			
30	.1	3	1004			
31	.1	3	1004			
Monthly	.4	6	1004			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.1	30	1967			
2	.6	17	1974			
3	1.1	54	1981			
4	3.4	92	1966			
5	1.7	47	1957			
6	1.1	53	1987			
7	1.4	39	1977			
8	1.4	39	1974			
9	1.7	22	1971			
10	1.3	61	1977			
11	1.1	87	1979			
12	1.3	111	1976			
13	1.9	25	1957			
14	1.1	56	1957			
15	1.1	26	1977			
16	1.4	37	1977			
17	1.3	35	1981			
18	1.3	6	1967			
19	1.1	30	1967			
20	1.3	110	1967			
21	1.4	37	1967			
22	1.4	48	1972			
23	1.1	41	1969			
24	1.1	51	1977			
25	1.1	24	1967			
26	1.7	22	1957			
27	1.2	32	1969			
28	1.1	51	1957			
29	1.1	133	1967			
30	1.1	3	1957			
31	1.1	27	1957			
Monthly	1.3	133	1967			

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1967-1967 197-1967
YEARS

STATION NAME

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	1.3	1-5-67			
2	0.1	2.5	1-6-67			
3	0.1	2.5	1-7-67			
4	0.1	1.3	1-8-67			
5	1.0	2.5	1-9-67			
6	0.1	0.1	1-10-67			
7	0.1	2.5	1-11-67			
8	0.1	2.5	1-12-67			
9	0.1	0.1	1-13-67			
10	0.1	2.5	1-14-67			
11	0.1	2.5	1-15-67			
12	0.1	0.1	1-16-67			
13	0.1	0.1	1-17-67			
14	0.1	2.5	1-18-67			
15	0.1	2.5	1-19-67			
16	0.1	2.5	1-20-67			
17	0.1	1.3	1-21-67			
18	0.1	1.3	1-22-67			
19	0.1	1.3	1-23-67			
20	0.1	1.3	1-24-67			
21	0.1	1.3	1-25-67			
22	0.1	1.3	1-26-67			
23	0.1	1.3	1-27-67			
24	0.1	1.3	1-28-67			
25	0.1	1.3	1-29-67			
26	0.1	1.3	1-30-67			
27	0.1	1.3	1-31-67			
28	0.1	1.3	1-31-67			
29	0.1	1.3	1-31-67			
30	0.1	1.3	1-31-67			
31	0.1	1.3	1-31-67			
Monthly	0.1	1.3	1-31-67			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
 - (1) Annual - all hours combined
 - (2) By month - all hours combined
 - (3) By month - by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SPACE WY 100
(FROM DAILY OBSERVATIONS)

1-5, 34, 77-67, 78-62

STATION NAME

YEARS

ST. I. K. 15

[illegible]

SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS)

DATE	YEARS
2-20, 54, 55-57, 7-80	

STATION NAME

STATION

SECRET

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1								

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION NO. 11
(FROM DAILY OBSERVATIONS)

STATION NAME
STATION NO. 11, 51-57, 7 - 57

STATION NAME

STATION

YEARS

DATE YEAR 575 IN 1957
DATA ON LESS THAN 3 OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
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96													
97													
98													
99													
100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

SACD
(FROM DAILY OBSERVATIONS)

DATE	YEARS
1-1-67	1-1-67

STATION NAME

STATION

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 09-09-2009 BY 60322 UCBAW/SJS FOR 2009-07-17

[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEAR _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.	1.
NNE	1.	1.
NE	2.7	1.
ENE	1.	1.
E	1.	1.
ESE	1.	1.
SE	1.	1.
SSE	1.	1.
S	1.	1.
SSW	1.	1.
SW	1.	1.
WSW	1.	1.
W	1.	1.
WNW	1.	1.
NW	1.	1.
NNW	1.	1.
VARBL	1.	1.
CALM	1.	1.
	11.	11.	11.	11.	11.	11.	11.	11.	11.	11.	11.	11.	11.

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ MONTH _____

STATION NAME _____ YEARS _____

CLASS _____

CONDITION _____

MOUSE (L S T) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1	2	1								0	0.1
NNE	0	0	1									1	0.2
NE	0	1	0									2	0.3
ENE	0	0	0									1	0.1
E	0	1	1	2								0	0.1
ESE	0	0	0	0	0							0	0.0
SE	0	0	0	0		0						1	0.0
SSE	0	0	1	1		0						0	0.1
S	0	0	1	2	0	1						0	0.7
SSW	0	1	1	2	0	0						0	0.7
SW	0	0	1	0	1	0						0	0.1
WSW	0	1	1	2	1	0						0	1.2
W	0	1	1	0	2	2	0					0	1.4
WNW	0	1	1	1	1	1						0	1.0
NW	0	0	2	2	0							0	1.1
NNW	0	0	0	1	0							0	0.0
VARBL													
CALM												3	
	0	1	0	1	1	0	0					0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

MONTH

HOURS (L.S.Y.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		•	•	•								•	•
NNE	•	1 •	•	•								•	1 •
NE	•	•	•	•								•	•
ENE	•	•	•			•						1 •	•
E		•	•		•							•	•
ESE			•	•								1 •	1 •
SE		•	•	•	•	•						•	1 •
SSE	•	•	•	•	•	•	•					•	12 •
S		•	•	•	•	1 •						•	1 •
SSW		•	•	•	•	•						•	1 •
SW		•	•	•	•	•						•	1 •
WSW		1 •	•	•	•	•						•	13 •
W		•	•	•	•	1 •	•					14 •	15 •
WNW	•	•	•	•	•	1 •	•					•	16 •
NW		•	•	•	•	•						•	13 •
NNW	•	•	•	1 •	•							•	13 •
VARBL													
CALM												•	
	•	11 •	22 •	11 •	20 •	7 •	11 •					1 •	12 •

TOTAL NUMBER OF OBSERVATIONS

SOWS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARB	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ MONTH _____

STATION NAME _____ YEAR _____

CLASS _____

CONDITION _____

HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												6.	7.7
NNE												9.3	6.5
NE												1.	1.
ENE												2.6	1.
E												3.3	7.
ESE												1.4	1.3
SE												1.1	1.3
SSE												1.	1.3
S												1.	1.3
SSW												1.	1.3
SW												1.	1.3
WSW												1.	1.3
W												1.	1.3
WNW												1.	1.3
NW												6.	1.3
NNW												4.	1.3
VARB													
CALM													
												20.1	10.3

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0	1.0	1.0							1.0	1.0
NNE		1.0	1.0	1.0	1.0							1.0	1.0
NE		1.0	1.0	1.0	1.0							1.0	1.0
ENE		1.0	1.0	1.0	1.0							1.0	1.0
E		1.0	1.0	1.0	1.0							1.0	1.0
ESE		1.0	1.0	1.0	1.0							1.0	1.0
SE		1.0	1.0	1.0	1.0							1.0	1.0
SSE		1.0	1.0	1.0	1.0							1.0	1.0
S		1.0	1.0	1.0	1.0							1.0	1.0
SSW		1.0	1.0	1.0	1.0							1.0	1.0
SW		1.0	1.0	1.0	1.0							1.0	1.0
WSW		1.0	1.0	1.0	1.0							1.0	1.0
W		1.0	1.0	1.0	1.0							1.0	1.0
WNW		1.0	1.0	1.0	1.0							1.0	1.0
NW		1.0	1.0	1.0	1.0							1.0	1.0
NNW		1.0	1.0	1.0	1.0							1.0	1.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	1.0	0.7							1.0	1.0
NNE							0.0	0.0
NE							0.0	0.0
ENE							1.0	0.7
E							0.0	7.0
ESE							1.0	4.0
SE							0.0	1.0
SSE							0.0	1.0
S	1.0	0.0					0.0	1.0
SSW	1.0	0.0					0.0	1.0
SW	0.0	0.0					0.0	1.0
WSW	1.0	0.0					1.0	1.0
W	0.0	0.0					1.0	0.0
WNW	0.0	0.0					0.0	1.0
NW	0.0	0.0					0.0	1.0
NNW	0.0	0.0					0.0	1.0
VARBL												0.0	1.0
CALM	1.0	0.0	1.0					1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEAR

MONTH

7225

CLASS

HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ULL		
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.7
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEAR _____ MONTH _____

CLASS _____ HOUSE (L.S.V.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	1.0	.	.	.	.	.	.	.	1.0	1.0
NNE	.	.	1.0	1.0	.	.	.	.	.	.	.	1.0	1.0
NE	1.0	1.0
ENE	.	.	1.0	1.0	.	.	.	.	.	.	.	1.0	1.0
E	.	1.0	1.0	1.0	.	.	.	.	.	.	.	1.0	1.0
ESE	1.0	1.0
SE	.	.	1.0	1.0	.	.	.	.	.	.	.	1.0	1.0
SSE	.	.	1.0	1.0	1.0	.	.	.	.	.	.	1.0	1.0
S	.	.	1.0	1.0	1.0	1.0	.	.	.	.	.	1.0	1.0
SSW	.	.	1.0	1.0	1.0	1.0	.	.	.	.	.	1.0	1.0
SW	.	.	1.0	1.0	1.0	1.0	.	.	.	.	.	1.0	1.0
WSW	.	.	1.0	1.0	1.0	1.0	.	.	.	.	.	1.0	1.0
W	.	.	1.0	1.0	1.0	1.0	.	.	.	.	.	1.0	1.0
WNW	.	.	1.0	1.0	1.0	1.0	.	.	.	.	.	1.0	1.0
NW	.	1.0	1.0	1.0	1.0	1.0	.	.	.	.	.	1.0	1.0
NNW	.	1.0	1.0	1.0	1.0	1.0	.	.	.	.	.	1.0	1.0
VARBL	1.0	1.0
CALM	1.0	1.0
	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0								1.0	1.0
NNE	1.0	1.0	1.0	1.0								3.0	7.0
NE	1.0	1.0	1.0	1.0								1.0	1.0
ENE	1.0	1.0	1.0	1.0								1.0	4.0
E	1.0	1.0	1.0	1.0								1.0	5.7
ESE	1.0	1.0	1.0	1.0								1.0	11.0
SE	1.0	1.0	1.0	1.0								1.0	1.0
SSE	1.0	1.0	1.0	1.0								1.0	14.0
S	1.0	1.0	1.0	1.0								1.0	1.0
SSW	1.0	1.0	1.0	1.0								1.0	1.0
SW	1.0	1.0	1.0	1.0								1.0	12.0
WSW	1.0	1.0	1.0	1.0								1.0	11.0
W	1.0	1.0	1.0	1.0								1.0	12.0
WNW	1.0	1.0	1.0	1.0								1.0	13.0
NW	1.0	1.0	1.0	1.0								1.0	11.0
NNW	1.0	1.0	1.0	1.0								1.0	1.0
VARB	1.0	1.0	1.0	1.0								1.0	1.0
CALM	1.0	1.0	1.0	1.0								1.0	11.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	1.	1.								.	1.1
NNE		1.	1.	1.		.						4.3	1.3
NE		.	1.	1.1								3.1	1.6
ENE		.	1.1									1.4	1.1
E		1.1	.	.								.	.
ESE		.	1.	1.1	.							11.4	11.4
SE			1.	1.	1.1							1.1	1.3
SSE			1.	1.	1.1	1.1	.					.	14.2
S		.	1.	1.1	1.1	1.1	1.1	.				.	17.3
SSW	.	1.	1.1	1.1	1.1	1.1	.					11.1	13.6
SW		1.1	1.1	1.1	1.1	.						1.1	1.1
WSW		.	1.1	1.1	1.1	1.1	.					5.3	14.4
W	.	1.	1.	1.1	1.1	1.1	.					11.1	12.1
WNW	.	.	1.1	1.1	1.1	1.1	.					.	13.7
NW		.	1.	1.1	1.1	1.1	.					.	17.3
NNW		.	1.	1.1	1.1	1.1	.					.	17.3
VARBL													
CALM												1.1	
	1.1	1.1	2.1	1.1	1.1	1.1	1.1					1.1	12.4

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													11.2
NNE													11.2
NE													11.2
ENE													11.2
E													11.2
ESE													11.2
SE													11.2
SSE													11.2
S													11.2
SSW													11.2
SW													11.2
WSW													11.2
W													11.2
WNW													11.2
NW													11.2
NNW													11.2
VARB													11.2
CALM													11.2

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

NORTH

MOORE (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.0	1.0							5.0	11.0
NNE												1.0	1.0
NE												1.0	1.0
ENE				1.0								1.0	1.0
E			1.0	1.0								2.0	1.7
ESE			1.0	1.0								2.0	1.6
SE			1.0	1.0								2.0	1.6
SSE			1.0	1.0	1.0							3.0	1.7
S		1.0	1.0	1.0	1.0	1.0						5.0	1.7
SSW		1.0	1.0	1.0	1.0	1.0	1.0					7.0	1.7
SW		1.0	1.0	1.0	1.0	1.0	1.0					7.0	1.7
WSW		1.0	1.0	1.0	1.0	1.0	1.0					7.0	1.7
W		1.0	1.0	1.0	1.0	1.0	1.0					7.0	1.7
WNW		1.0	1.0	1.0	1.0	1.0	1.0					7.0	1.7
NW		1.0	1.0	1.0	1.0	1.0	1.0					7.0	1.7
NNW		1.0	1.0	1.0	1.0	1.0	1.0					7.0	1.7
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	11.0	11.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	1.	1.	1.							5.0	5.0
NNE	.	.	1.									1.1	5.7
NE	.	.	1.									1.1	1.1
ENE							1.1	1.1
E	.	1.1	.	.	.							2.0	1.1
ESE	.	.	1.	.								2.0	7.0
SE	.	.	1.	1.								1.1	15.0
SSE	.	.	.	1.	1.							4.0	12.0
S	.	.	1.	1.	1.	1.						1.1	1.1
SSW	.	.	.	1.	1.	1.						1.1	12.0
SW	.	.	1.	1.	1.	1.						1.1	12.0
WSW	.	1.	1.	1.	1.	1.	1.1					12.0	12.0
W	.	1.	1.	1.	1.	1.	1.1					12.0	12.0
WNW	.	1.	1.	1.	1.	1.	1.1					12.0	12.0
NW	.	.	1.	1.	1.	1.	1.1					12.0	12.0
NNW	.	.	1.	1.	1.	1.	1.1					12.0	12.0
VARBL	.	.	1.	1.	1.	1.	1.1					12.0	12.0
CALM	.	.	1.	1.	1.	1.	1.1					12.0	12.0
	.	1.	1.	1.	1.	1.	1.1					12.0	12.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
			ALL
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0	2.0	0.0	0.0	0						0.0	0.0
NNE	0	1.0	1.0	0.0	0.0	0						0.0	0.0
NE	0	0	0	0	0	0						0.0	0.0
ENE	0	0	0	0	0	0						0.0	0.0
E	0	0	0	0	0	0						0.0	0.0
ESE	0	0	0	0	0	0						0.0	0.0
SE	0	0	0	0	0	0						0.0	0.0
SSE	0	0	0	0	0	0						0.0	0.0
S	0	0	0	0	0	0						0.0	0.0
SSW	0	0	0	0	0	0						0.0	0.0
SW	0	0	0	0	0	0						0.0	0.0
WSW	0	0	0	0	0	0						0.0	0.0
W	0	0	0	0	0	0						0.0	0.0
WNW	0	0	0	0	0	0						0.0	0.0
NW	0	0	0	0	0	0						0.0	0.0
NNW	0	0	0	0	0	0						0.0	0.0
VARBL													
CALM													
	0	1.0	2.0	0.0	1.0	0	1.0	0.0				1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	1.0	.7							.0	7.7
NNE	.	.	1.0									1.0	7.7
NE	.	.	.	.								1.0	7.7
ENE		.	1.0	.								2.0	7.7
E		.	2.0	1.0								3.0	7.7
ESE		.	1.0	1.0								2.0	7.7
SE	.	1.0	1.0	.7	.7							3.0	7.7
SSE	.	1.0	.	.7	.7	.7						3.0	12.4
S	.	.	.7	2.0	1.0	1.0	.7					6.1	13.7
SSW	.	.	.7	2.0	1.0							.0	12.0
SW	.	1.0	.7	2.0	1.0	.7						3.0	11.0
WSW	1.0	.	1.0	2.0	1.0	.7						3.0	11.0
W	.	1.0	1.0	1.0	1.0	1.0						.0	12.0
WNW		.	2.0	2.0	1.0	1.0						5.0	14.0
NW	.	1.0	1.0	2.0	.7							3.0	11.0
NNW	.	1.0	2.0	2.0	.7							1.0	9.0
VARB.													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	.7					10.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.0	1.0	1.0	1.0							.	1.0
NNE							2.0	1.7
NE	.	1.0	1.0	1.0	1.0							3.0	1.1
ENE							1.0	1.2
E	.	1.0	1.0	1.0	1.0							1.0	1.0
ESE	.	1.0	1.0	1.0	1.0							1.0	1.0
SE	.	.	1.0	.	.							1.0	1.1
SSE	.	.	1.0	.	.		.					1.0	1.2
S	.	1.0	1.0	1.0	1.0	1.0	.					1.0	1.4
SSW	.	1.0	1.0	1.0	1.0	.	.					1.0	1.7
SW	.	1.0	1.0	1.0	1.0	.	.					1.0	1.2
WSW	.	1.0	1.0	1.0	1.0	.	.					1.0	1.2
W	.	1.0	1.0	1.0	1.0	.	.					1.0	1.4
WNW	.	.	.	1.0	1.0	.	.					1.0	1.7
NW	.	.	.	1.0	1.0	.	.					1.0	1.2
NNW	.	1.0	.	1.0	1.0	.	.					1.0	1.2
VARBL													
CALA													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ MONTH _____

STATION NAME _____ YEARS _____

CLASS _____

CONDITION _____

HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	9.2
NNE	1.6	9.2
NE	2.0	7.3
ENE	.	.	.	1.0	1.0	.	.	.	.	.	.	2.0	10.0
E	.	.	.	2.0	2.0	.	.	.	.	.	.	4.0	11.0
ESE	.	.	.	1.0	1.0	.	.	.	.	.	.	1.0	7.3
SE	.	.	.	1.0	1.0	.	.	.	.	.	.	1.0	10.0
SSE	.	.	.	1.0	1.0	.	.	.	.	.	.	1.0	10.0
S	.	.	.	1.0	1.0	1.0	.	.	.	.	.	3.0	10.0
SSW	.	.	.	1.0	1.0	1.0	.	.	.	.	11.0	14.0	14.0
SW	.	.	.	1.0	1.0	.	.	.	.	.	1.0	14.0	14.0
WSW	.	.	.	1.0	1.0	.	.	.	.	.	.	1.0	12.0
W	.	.	.	1.0	1.0	1.0	.	.	.	.	1.0	14.0	14.0
WNW	.	.	.	1.0	1.0	1.0	.	.	.	.	1.0	14.0	14.0
NW	.	.	.	1.0	1.0	.	.	.	.	.	6.0	11.0	11.0
NNW	.	.	.	1.0	1.0	.	.	.	.	.	.	1.0	11.0
VARB.
CALM
	.	.	.	11.0	11.0	.	1.0	.	.	.	.	1.0	12.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEAR	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		•	•	•	•							6.	11.3
NNE	•	•	•	•	•							•	10.7
NE	•	•	•	•	•							2.	10.1
ENE		•	•	•	•							•	11.2
E		•	•	•	•							•	11.1
ESE		•	•	•	•							•	11.3
SE		•	•	•	•							•	10.1
SSE	•	•	•	•	•							•	11.1
S	•	•	•	•	•							•	11.1
SSW	•	•	•	•	•	1.						•	11.1
SW		•	•	•	•	•						1.	11.1
WSW		•	•	•	•	•						5.	14.
W		•	•	•	•	1.	•					15.	13.
WNW		•	•	•	•	1.	•					•	10.2
NW		•	•	•	•	•	•					•	10.1
NNW	•	•	•	•	•	•						5.	10.1
VARBL													
CALM												1.	
	•	•	•	•	•	•	•	•	•	•	•	10.	11.

TOTAL NUMBER OF OBSERVATIONS

U.S. COAST AND GEODETIC SERVICE
NAVY DEPARTMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____
STATION _____ YEARS _____
CLASS _____ HOURS (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													10.0
NNE													10.0
NE													10.0
ENE													10.0
E													10.0
ESE													10.0
SE													10.0
SSE													10.0
S													10.0
SSW													10.0
SW													10.0
WSW													10.0
W													10.0
WNW													10.0
NW													10.0
NNW													10.0
VARBL													10.0
CALM													10.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

NORTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0	2.0	2.0								0.0	0.0
NNE	0	0	1.0	1.0								0.0	0.7
NE	0	0	0	0								0.0	0.1
ENE	0	1.0	1.0	1.0								4.0	0.2
E	0	0	2.0	0.0	0.0							4.0	0.1
ESE	0	1.0	1.0	0.0								0.0	0.2
SE				0.0								0.0	10.3
SSE		1.0	1.0	1.0	1.0							0.0	10.1
S	0	0	0	2.0	1.0	0.0	0.0					0.0	1.4
SSW	0	0	1.0	0.0	0.0	1.0						0.0	1.0
SW	0	1.0	1.0	0.0	1.0	0.0						0.0	11.0
WSW	0	0	0	0.0	0.0	0.0						0.0	10.0
W	0	1.0	0.0	0.0	0.0	0.0						0.0	10.0
WNW		1.0	1.0	0.0	1.0	1.0						0.0	12.0
NW	0	0	1.0	1.0	1.0							0.0	1.0
NNW	0	0	0	0.0	0.0							0.0	0.0
VARBL												0.0	0.0
CALM												0.0	0.0
	0	1.0	0.0	0.0	11.0	4.0	0.0					10.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	1.	1.5	1.2							.	1.1
NNE	.	.	1.	1.5								.	1.5
NE								1.	1.1
ENE	.	.	.	1.5	1.2							.	11.
E	.	1.	1.5	1.5								1.	1.1
ESE	.	.	1.5	.								1.	1.2
SE	.	.	.	1.	1.2							1.	11.7
SSE	.	.	1.	1.5	1.2							1.	12.2
S	.	.	1.5	1.5	1.2	1.						1.	11.
SSW	.	1.	1.5	1.5	1.5	1.						1.	12.7
SW	.	1.	1.5	1.5	1.5	1.						1.	11.
WSW	.	.	1.	1.5	1.5	1.						1.	13.
W	.	1.	1.5	1.5	1.5	1.	1.					1.	13.5
WNW	.	.	1.	1.5	1.5	1.						1.	13.1
NW	.	1.	1.5	1.5	1.5							1.	13.1
NNW	.	1.	1.	1.5	1.5							1.	13.
VARBL													
CALM													
	.	1.	2.	1.5	1.5	4.	1.					1.	11.

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL	1978	JUL
	CLASS		HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0	1.0	0.3	0.2							0.1	0.7
NNE	0	0	1.0	0	0.2	0						0	0.5
NE	0	0	0	0	0							0.0	0.7
ENE	0	0	1.0	1.0	0							0.0	0.7
E	0	0	2.0	1.0	0.1	0						0	0.2
ESE	0	0	1.1	0.7	0.1							0	0.1
SE	0	0	1.0	1.0	0.2							0	10.1
SSE	0.1	0	1.0	1.0	0.2	0	0.1	0				0	12.4
S	0	0	1.0	3.0	1.0	0	0	0				0.9	10.2
SSW	0	0	0	0	1.0	0	0	0				0.0	10.0
SW	0	0	0	2.0	1.0	0	0	0				0.0	10.7
WSW	0	0	0	0	0	0	0	0				0	12.1
W	0	0	0	0	0	0	0	0				0	12.1
WNW	0	0	0	0	0	0	0	0				0	12.0
NW	0	0	0	0	0	0	0	0				0	17.0
NNW	0	0	0	0	0	0	0	0				0.7	11.0
VARB												7.0	10.0
CALM												0	
	0	10.0	00.0	30.0	10.0	0.0	0.0	0.1				10.0	11.4

TOTAL NUMBER OF OBSERVATIONS

1075

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.7	7.7	1.7								1.7	1.7
NNE	.	.	1.7	1.7								1.7	1.7
NE	.	.	1.7	1.7	1.7							1.7	1.7
ENE	.	1.7	1.7	1.7								1.7	1.7
E	1.7	1.7	1.7	1.7								1.7	1.7
ESE	.	.	1.7	1.7								1.7	1.7
SE	.	.	1.7	1.7								1.7	1.7
SSE	.	.	1.7	1.7	1.7							1.7	1.7
S	.	1.7	1.7	1.7	1.7	1.7						1.7	1.7
SSW	.	1.7	1.7	1.7	1.7	1.7						1.7	1.7
SW	.	1.7	1.7	1.7	1.7	1.7						1.7	1.7
WSW	.	1.7	1.7	1.7	1.7	1.7						1.7	1.7
W	1.7	1.7	1.7	1.7	1.7	1.7						1.7	1.7
WNW	1.7	1.7	1.7	1.7	1.7	1.7						1.7	1.7
NW	1.7	1.7	1.7	1.7	1.7	1.7						1.7	1.7
NNW	1.7	1.7	1.7	1.7	1.7	1.7						1.7	1.7
VARBL													
CALM													
	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ DATE _____ YEAR _____ MONTH _____

STATION NAME _____ CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

0

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ STATION _____ MONTH _____
CLASS _____ YEARS _____
HOURS (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	•	2.0	•	•	•	•	•	•	•	7.0	•
NNE	•	•	1.0	1.0	•	•	•	•	•	•	•	•	7.0
NE	•	•	1.0	1.0	•	•	•	•	•	•	•	4.0	•
ENE	•	•	•	•	•	•	•	•	•	•	•	2.0	9.0
E	•	•	1.0	1.0	•	•	•	•	•	•	•	4.0	•
ESE	•	•	•	1.0	•	•	•	•	•	•	•	1.0	9.0
SE	•	•	•	•	•	•	•	•	•	•	•	•	9.0
SSE	•	•	•	1.0	•	•	•	•	•	•	•	•	10.0
S	•	•	•	6.0	•	•	•	•	•	•	•	•	11.0
SSW	•	•	•	3.0	•	•	•	•	•	•	•	•	12.0
SW	•	•	•	•	•	•	•	•	•	•	•	4.0	12.0
WSW	•	•	•	•	•	•	•	•	•	•	•	•	12.0
W	•	•	•	•	•	•	•	•	•	•	•	12.0	12.0
WNW	•	•	4.0	•	1.0	•	•	•	•	•	•	1.0	11.0
NW	•	•	•	•	1.0	•	•	•	•	•	•	•	12.0
NNW	•	1.0	•	•	•	•	•	•	•	•	•	•	11.0
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	•	1.0	1.0	3.0	1.0	2.0	•	•	•	•	•	10.0	11.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ MONTH: _____
STATION: _____ YEARS: _____
CLASS: _____ HOURS (U.S.T.): _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0	2.0	1.0							0	9.0
NNE		1.0	1.0	1.0								0	1.0
NE			1.0	1.0								4.0	1.0
ENE			1.0	1.0								11.2	1.0
E		1.0	1.0	1.0								4.0	1.0
ESE		1.0	1.0	1.0	1.0							1.0	1.0
SE				1.0	1.0							1.0	1.0
SSE				1.0	1.0							1.0	1.0
S		1.0	1.0	1.0	1.0							1.0	1.0
SSW		1.0	1.0	1.0	1.0							1.0	1.0
SW		1.0	1.0	1.0	1.0							1.0	1.0
WSW		1.0	1.0	1.0	1.0							1.0	1.0
W		1.0	1.0	1.0	1.0							1.0	1.0
WNW		1.0	1.0	1.0	1.0							1.0	1.0
NW		1.0	1.0	1.0	1.0							1.0	1.0
NNW		1.0	1.0	1.0	1.0							1.0	1.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME _____ STATION _____ MONTH _____
 CLASS _____ YEAR _____ HOURS (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N9	
NNE9	7.9
NE9	
ENE9	
E9	
ESE9	
SE9	12.7
SSE9	11.9
S9	1.9
SSW9	12.3
SW9	1.1
WSW9	1.9
W9	13.9
WNW9	1.9
NW9	1.9
NNW9	1.9
VARBL9	1.9
CALM9	
9	11.9

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•	•	•						10.0	•
NNE	•	•	•	•	•	•						2.0	•
NE	•	•	•	•	•	•						•	•
ENE	•	•	•	•	•	•						•	•
E	•	•	•	•	•	•						•	•
ESE	•	•	•	•	•	•						•	•
SE	•	•	•	•	•	•						10.0	•
SSE	•	•	•	•	•	•						•	•
S	•	•	•	•	•	•						•	•
SSW	•	•	•	•	•	•						•	•
SW	•	•	•	•	•	•						•	•
WSW	•	•	•	•	•	•						•	•
W	•	•	•	•	•	•						•	•
WNW	•	•	•	•	•	•						•	•
NW	•	•	•	•	•	•						•	•
NNW	•	•	•	•	•	•						•	•
VARBL													
CALM													
	•	•	•	•	•	•						10.0	10.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•	•	•	•	•	•	•	•	•	•
NNE	•	•	•	•	•	•	•	•	•	•	•	•	•
NNE	•	•	•	•	•	•	•	•	•	•	•	•	•
ENE	•	•	•	•	•	•	•	•	•	•	•	•	•
E	•	•	•	•	•	•	•	•	•	•	•	•	•
ESE	•	•	•	•	•	•	•	•	•	•	•	•	•
SE	•	•	•	•	•	•	•	•	•	•	•	•	•
SSE	•	•	•	•	•	•	•	•	•	•	•	•	•
S	•	•	•	•	•	•	•	•	•	•	•	•	•
SSW	•	•	•	•	•	•	•	•	•	•	•	•	•
SW	•	•	•	•	•	•	•	•	•	•	•	•	•
WSW	•	•	•	•	•	•	•	•	•	•	•	•	•
W	•	•	•	•	•	•	•	•	•	•	•	•	•
WNW	•	•	•	•	•	•	•	•	•	•	•	•	•
NW	•	•	•	•	•	•	•	•	•	•	•	•	•
NNW	•	•	•	•	•	•	•	•	•	•	•	•	•
VARB	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL FIVE		ALL
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	2.0	2.0	•	•						•	•
NNE	•	1.0	1.0	1.0	•							•	•
NE	•	•	•	1.0	•	•						•	•
ENE	•	•	1.0	1.0	•	•						•	•
E	•	1.0	1.0	1.0	•	•						•	7.0
ESE	•	•	•	•	•	•						•	•
SE	•	•	•	1.0	•	•						•	•
SSE	•	•	•	1.0	•	•						•	11.0
S	•	•	1.0	1.0	•	•						•	•
SSW	•	•	1.0	1.0	1.0	•						•	12.0
SW	•	•	•	•	1.0	•						•	•
WSW	•	1.0	1.0	1.0	1.0	•	•					•	12.0
W	•	1.0	1.0	1.0	1.0	•	•	•				•	11.0
WNW	•	1.0	1.0	1.0	1.0	•	•	•				•	10.0
NW	•	1.0	1.0	1.0	•	•	•	•				•	10.0
NNW	•	1.0	•	•	•	•	•	•				•	•
VARBL													
CALM												1.0	
	•	1.0	1.0	1.0	1.0	1.0	•	•				•	11.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.0
NNE	7.0
NE	11.0
ENE	7.0
E	7.0
ESE	7.0
SE	10.0
SSE	11.0
S	12.0
SSW	7.0
SW	7.0
WSW	10.0
W	6.0
WNW	7.0
NW	7.0
NNW	7.0
VARBL	7.0
CALM	7.0
	7.0

TOTAL NUMBER OF OBSERVATIONS

AD-A150 537 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 2/4
BERNADA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

AD-A150 537 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 2/4
BERNADA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

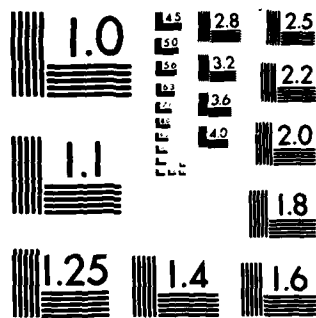
AD-A150 537 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 2/4
BERNADA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

UNCLASSIFIED ASHEVILLE NC SEP 84 F/G 4/2 NL

UNCLASSIFIED ASHEVILLE NC SEP 84 F/G 4/2 NL

UNCLASSIFIED ASHEVILLE NC SEP 84 F/G 4/2 NL

A 10x10 grid of squares, with the top-left square missing.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME: 111 16 10 10 YEARS: 1979 MONTH: 11 HOURS (L.S.T.): 11

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0								4.0	1.0
NNE	1.0	1.0	1.0	1.0								4.0	1.0
NE	1.0	1.0	1.0	1.0								4.0	1.0
ENE	1.0	1.0	1.0	1.0								4.0	1.0
E	1.0	1.0	1.0	1.0								4.0	1.0
ESE	1.0	1.0	1.0	1.0								4.0	1.0
SE	1.0	1.0	1.0	1.0								4.0	1.0
SSE	1.0	1.0	1.0	1.0								4.0	1.0
S	1.0	1.0	1.0	1.0								4.0	1.0
SSW	1.0	1.0	1.0	1.0								4.0	1.0
SW	1.0	1.0	1.0	1.0								4.0	1.0
WSW	1.0	1.0	1.0	1.0								4.0	1.0
W	1.0	1.0	1.0	1.0								4.0	1.0
WNW	1.0	1.0	1.0	1.0								4.0	1.0
NW	1.0	1.0	1.0	1.0								4.0	1.0
NNW	1.0	1.0	1.0	1.0								4.0	1.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.7	0	0	0							0.0	7.7
NNE	0	1.7	0	1.7								0.0	1.8
NE	0	1.7	0	0								0.0	7.8
ENE	0	0	0	1.7	0							0.0	12.0
E	0	1.7	0	1.7								0.0	0.0
ESE	0	0	1.7	0								0.0	10.3
SE	0	1.7	1.7	0								0.0	10.1
SSE	0	1.7	1.7	0	0							0.0	11.0
S	0	1.7	1.7	0	0							0.0	11.9
SSW	0	0	0	0	0							0.0	10.7
SW	0	0	0	1.7	1.7							0.0	10.7
WSW	0	0	0	1.7	0							0.0	0.0
W	1.7	1.7	0	1.7	0	0						0.0	0.7
WNW	0	0	0	0								0.0	0.0
NW	0	0	1.7	0								0.0	7.0
NNW	0	1.7	1.7	0								0.0	6.7
VARBL												0.0	
CALM												0.0	
	0	15.0	10.0	34.7	1.8	0						13.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

11

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.0								1.0	1.0
NNE		1.0	2.0	1.0								4.0	1.0
NE				2.0								2.0	12.0
ENE			1.0	1.0								2.0	11.0
E		1.0	1.0	2.0								4.0	11.0
ESE			1.0	1.0								2.0	1.0
SE		1.0	1.0	2.0								4.0	11.0
SSE			1.0	1.0								2.0	11.0
S			1.0	2.0								3.0	11.0
SSW			1.0	1.0	1.0							3.0	11.0
SW			1.0	1.0	1.0							3.0	11.0
WSW			1.0	1.0	1.0							3.0	11.0
W			1.0	1.0	1.0							3.0	11.0
WNW			1.0	1.0	1.0							3.0	11.0
NW			1.0	1.0	1.0							3.0	11.0
NNW			1.0	1.0	1.0							3.0	11.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEARS: _____ NORTH: _____
 CLASS: _____ HOURS (L.S.T.): _____

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.	.	1.0	1.0								4.0	6.8
NNE	.	.	1.0	1.0								2.0	7.8
NE	.	1.0	1.0	1.0								4.0	8.1
ENE	.	.	1.0	1.0								2.0	9.7
E	.	1.0	1.0	1.0								5.0	11.1
ESE	.	1.0	1.0	1.0								5.0	12.0
SE	.	1.0	1.0	1.0	1.0							10.0	11.1
SSE	.	1.0	1.0	1.0	1.0							10.0	12.0
S	.	1.0	1.0	1.0	1.0	1.0						15.0	12.1
SSW	.	1.0	1.0	1.0	1.0	1.0						4.0	11.1
SW	.	1.0	1.0	1.0	1.0	1.0						4.0	11.1
WSW	.	1.0	1.0	1.0	1.0	1.0						4.0	11.1
W	.	1.0	1.0	1.0	1.0	1.0						4.0	11.1
WNW	.	1.0	1.0	1.0	1.0	1.0						4.0	11.1
NW	.	1.0	1.0	1.0	1.0	1.0						4.0	11.1
NNW	.	1.0	1.0	1.0	1.0	1.0						4.0	11.1
VARL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.0	1.0	1.0								3.0	1.0
NNE		.	1.0	1.0								2.0	2.0
NE		.	1.0	1.0								2.0	2.0
ENE			1.0	1.0								2.0	11.0
E		.	1.0	1.0								2.0	2.0
ESE		.	1.0	1.0								2.0	2.0
SE	.	.	1.0	1.0								2.0	2.0
SSE		1.0	1.0	1.0	1.0							4.0	10.0
S	.	1.0	1.0	1.0	1.0							4.0	10.3
SSW		.	1.0	1.0	1.0							3.0	11.0
SW	.	.	1.0	1.0	1.0							3.0	11.4
WSW		.	1.0	1.0	1.0							3.0	12.0
W	.	1.0	1.0	1.0	1.0							4.0	12.0
WNW	.	.	1.0	1.0	1.0							3.0	9.0
NW	.	.	1.0	1.0	1.0							3.0	11.0
NNW	.	1.0	1.0	1.0	1.0							4.0	11.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	11.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEAR _____ DAY _____ MONTH _____

CLASS _____

CONDITION _____

HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL													
CALM													
	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

YEARS

MONTY

9274

55473

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•								6.0	7.1
NNE	•		•	•								•	7.1
NE	•		•	•								1.0	6.9
ENE	•	1.0	•	1.0								7.5	7.1
E	•	•	•	1.0								•	7.3
ESE		•	•	•								3.0	6.8
SE	•	1.0	1.0	0.5								7.1	10.0
SSE		•	1.0	0.5								•	11.0
S	•	•	•	•	1.0							17.0	11.2
SSW	•	1.0	0.5	•	1.0							•	12.7
SW	•	1.0	•	1.0		•						•	•
WSW	•	1.0	1.0	1.0		•						4.5	•
W		•	1.0	1.0		•						4.5	6.3
WNW	•	•	1.0	1.0								•	6.0
NW	•	•	1.0	•								•	7.0
NNW	•	1.0	1.0	•								•	6.6
VABL													
CALM												•	
	•	•	•	1.0	•	•						10.0	•

TOTAL NUMBER OF OBSERVATIONS

SMS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.7	3.1	•	•	•	•	•	•	•	•	4.0	7.4
NNE	•	•	1.7	•	•	•	•	•	•	•	•	3.0	7.0
NE	•	•	1.1	1.2	•	•	•	•	•	•	•	3.0	•
ENE	•	•	1.1	1.2	•	•	•	•	•	•	•	3.0	•
E	•	1.1	2.1	1.2	•	•	•	•	•	•	•	•	9.0
ESE	•	•	2.1	1.2	•	•	•	•	•	•	•	•	•
SE	•	•	1.1	1.2	•	•	•	•	•	•	•	•	•
SSE	•	•	2.1	1.2	•	•	•	•	•	•	•	•	•
S	•	1.1	4.1	7.1	2.1	•	•	•	•	•	•	10.0	11.0
SSW	•	1.1	3.1	4.1	1.1	•	•	•	•	•	•	10.0	11.1
SW	•	1.1	2.1	1.1	•	•	•	•	•	•	•	6.0	10.0
WSW	•	1.1	1.1	1.1	•	•	•	•	•	•	•	4.0	•
W	•	1.1	2.1	2.1	•	•	•	•	•	•	•	7.0	•
WNW	•	1.1	2.1	1.1	•	•	•	•	•	•	•	4.0	1.7
NW	•	•	1.1	•	•	•	•	•	•	•	•	•	•
NNW	•	1.1	1.1	•	•	•	•	•	•	•	•	•	7.1
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	•	1.1	3.1	7.1	•	•	•	•	•	•	•	10.0	•

TOTAL NUMBER OF OBSERVATIONS

10.0

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEAR: _____ MONTH: _____
CLASS: _____ HOURS (L.S.T.): _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	7.0
NNE	1.7	7.0
NE	1.7	7.0
ENE	1.7	7.0
E	1.7	7.0
ESE	1.7	7.0
SE	1.7	7.0
SSE	1.7	7.0
S	1.7	7.0
SSW	1.7	7.0
SW	1.7	7.0
WSW	1.7	7.0
W	1.7	7.0
WNW	1.7	7.0
NW	1.7	7.0
NNW	1.7	7.0
VARBL	1.7	7.0
CALM	1.7	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•	•	•	•	•	•	•	•	1.0	0.0
NNE	•	•	•	•	•	•	•	•	•	•	•	1.0	0.0
NE	•	•	•	•	•	•	•	•	•	•	•	2.0	0.0
ENE	•	•	•	•	•	•	•	•	•	•	•	1.0	0.0
E	•	•	•	•	•	•	•	•	•	•	•	11.0	0.0
ESE	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
SE	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
SSE	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
S	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
SSW	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
SW	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
WSW	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
W	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
WNW	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
NW	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
NNW	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
VARBL	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0
CALM	•	•	•	•	•	•	•	•	•	•	•	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ MONTH _____
STATION NAME _____ YEARS _____
CLASS _____ HOURS (L.S.T.) _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.0	0.0
NNE												1.0	0.0
NE				1.0								4.0	0.0
ENE			1.0	2.0								0.0	11.0
E			1.0	2.0	1.0							10.0	0.0
ESE			1.0	1.0	1.0							0.0	13.0
SE			1.0	1.0	1.0							4.0	7.1
SSE			1.0	1.0	1.0							4.0	9.0
S		1.0	1.0	1.0	1.0							10.0	11.0
SSW		1.0	1.0	1.0	1.0							11.0	15.0
SW		1.0	1.0	1.0	1.0							10.0	10.0
WSW		1.0	1.0	1.0	1.0							4.0	10.0
W		1.0	1.0	1.0	1.0							0.0	10.0
WNW		1.0	1.0	1.0	1.0							0.0	10.0
NW		1.0	1.0	1.0	1.0							0.0	10.0
NNW		1.0	1.0	1.0	1.0							1.0	0.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURE (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			1.7	1.7								1.7	1.7
NE		1.7	1.7	1.7								4.7	4.7
ENE		1.7	1.7	1.7	1.7							4.7	4.7
E		1.7	1.7	1.7	1.7							4.7	4.7
ESE				1.7	1.7							1.7	1.7
SE			1.7	1.7	1.7							4.7	4.7
SSE			1.7	1.7	1.7							1.7	1.7
S		1.7	1.7	1.7	1.7							15.7	11.2
SSW			1.7	1.7	1.7							17.7	17.7
SW				1.7	1.7							1.7	1.7
WSW				1.7	1.7							1.7	1.7
W		1.7	1.7	1.7	1.7							1.7	1.7
WNW			1.7	1.7	1.7							1.7	1.7
NW				1.7	1.7							1.7	1.7
NNW			1.7	1.7	1.7							1.7	1.7
VARBL													
CALM													
	1.7	1.7	3.7	4.7	1.7	1.7						1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

10

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

ALL DATA

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.										1.3	0
NNE		1.	1.									2.	0.3
NE		1.	1.	1.								3.7	0.7
ENE		1.	2.	1.								4.7	0.7
E	1.	1.	1.	3.7		1.						10.1	10.1
ESE		1.	2.	2.3								1.7	9.2
SE	1.	1.	1.	2.2	1.							1.	12.0
SSE	1.	1.	1.	2.								2.	9.3
S	1.	1.	1.	1.								15.	13.4
SSW		1.	1.	2.7	1.7							15.	11.6
SW		1.	1.	2.2	1.							6.7	12.
WSW		1.	1.	3.7	1.							6.7	15.3
W	1.	1.	1.	4.7	1.							11.	12
WNW		1.	1.	1.								7.9	9
NW	1.	1.	1.	1.								1.	7.3
NNW	1.	1.	1.									1.	9
VARBL													
CALM													
	1.	1.	3.	4.	1.	1.						10.1	10.2

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ CONDITION _____
 HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													7.0
NNE													6.0
NE													5.0
ENE													4.0
E													3.0
ESE													2.0
SE													1.0
SSE													0.1
S													11.0
SSW													10.0
SW													9.0
WSW													8.0
W													7.0
WNW													6.0
NW													5.0
NNW													4.0
VARBL													3.0
CALM													2.0
													1.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

ALL

ALL

MOUSE (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	1.0	0.6
NNE	0	0	0	0	0	0	0	0	0	0	0	0.3	0.7
NE	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
ENE	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
E	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
ESE	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
SE	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
SSE	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
S	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
SSW	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
SW	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
WSW	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
W	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
WNW	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
NW	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
NNW	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
VARBL	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
CALM	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS

2 19

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEAR

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	0.	3.
NNE	1.	.	.	.	.	.	.	.	.	.	.	1.	4.6
NE	.	.	1.	.	.	.	.	.	.	.	.	1.	10.3
ENE	.	.	.	.	.	.	.	.	.	.	.	0.6	0.6
E	0.	0.3	0.7	1.0	1.2	.	.	.	.	.	.	7.0	0.7
ESE	0.	1.7	2.3	1.0	.	.	.	.	.	.	.	0.	0.7
SE	0.	1.0	1.0	2.0	.	.	.	.	.	.	.	6.	10.2
SSE	0.	1.0	0.7	1.0	1.2	.	.	.	.	.	.	0.0	0.3
S	0.	1.0	1.0	2.0	1.0	.	.	.	.	.	.	10.7	0.1
SSW	0.	0.7	0.7	2.0	0.7	.	.	.	.	.	.	17.7	0.9
SW	0.	0.7	0.7	0.7	0.7	.	.	.	.	.	.	14.5	0.
WSW	0.	0.	1.0	0.7	0.7	.	.	.	.	.	.	0.1	11.1
W	0.	0.	1.0	1.0	0.7	.	.	.	.	.	.	0.0	10.4
WNW	0.	0.	1.0	.	.	.	.	.	.	.	.	0.0	0.0
NW	0.	0.	.	.	.	.	.	.	.	.	.	0.	0.0
NNW	0.	0.	.	.	.	.	.	.	.	.	.	1.	0.3
VARBL													
CALM													
	0.	0.7	3.0	0.7	0.7			0.7				10.7	0.

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ALL - 6100 YEARS: 1979 MONTH: JUL
CLASS: ALL - 6100 HOURS (L.S.T.): 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.	10.
NNE	1.	10.
NE	1.	10.
ENE	1.	10.
E	.	.	.	1.	1.	.	.	.	.	.	.	1.	10.
ESE	.	.	.	1.	1.	.	.	.	.	.	.	1.	10.
SE	.	.	1.	1.	.	.	.	.	.	.	.	1.	10.
SSE	.	.	1.	1.	.	.	.	.	.	.	.	1.	10.
S	1.	1.	1.	1.	1.	.	.	.	.	.	.	1.	10.
SSW	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	10.
SW	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	10.
WSW	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	10.
W	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	10.
WNW	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	10.
NW	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	10.
NNW	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	10.
VARBL
CALM
	10.	.

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

STATION _____ YEARS _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	•	•								1.0	•
NNE	•	•	•									1.0	•
NE		•	•									1.0	3.3
ENE		•	•	•								•	7.4
E	•	1.0	1.0	2.0								•	6.8
ESE	•	•	1.0	1.0								•	•
SE	•	•	1.0	2.0								•	8.9
SSE	•	•	•	•								11.0	5.6
S	•	•	11.0	7.0								15.4	•
SSW	•	•	•	•	•	•						15.0	1.1
SW	•	•	•	4.0								15.0	•
WSW	•	1.0	•	3.0	•							•	11.0
W	•	1.0	2.0	1.0	•							7.0	•
WNW		•	1.0	•								1.0	•
NW		•	•	•								•	1.0
NNW		•	1.0	•								1.0	•
VARBL												•	•
CALA												•	•
	•	17.0	40.0	71.0	•	•						15.0	•

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME _____ YEAR _____ MONTH _____
CLASS _____ HOURS (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.	1.
NNE	2.	2.
NE	1.	1.
ENE	1.	1.
E	1.	1.
ESE	1.	1.
SE	1.	1.
SSE	1.	1.
S	1.	1.
SSW	1.	1.
SW	1.	1.
WSW	1.	1.
W	1.	1.
WNW	1.	1.
NW	1.	1.
NNW	1.	1.
VARBL	1.	1.
CALM	1.	1.

TOTAL NUMBER OF OBSERVATIONS

SMOS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

[illegible]

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		•	•	•								1.0	•
NNE	•	•	1.0		•							7.0	•
NE		•	1.0									1.0	6.0
ENE	•	•	1.0	•								1.0	1.0
E	1.0	1.0	1.0	1.0	•	•						•	11.0
ESE	•	•	1.0	1.0								•	•
SE	•	•	1.0	1.0								3.0	•
SSE	•	1.0	•	•	•							11.0	•
S	•	•	•	•								•	•
SSW		1.0	•	1.0	1.0							1.0	•
SW		•	•	4.0	1.0	•						1.0	11.0
WSW	•	1.0	1.0	•	•							7.0	1.0
W	•	•	1.0	•	•							•	1.0
WNW	•	•	1.0									•	11.0
NW	•	•	•	•								•	•
NNW				•								•	12.0
VARB													
CALM												•	
	•	1.0	3.0	1.0	•	•						1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL SALES		17
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.0	1.0
NNE												1.0	4.0
NE												1.0	8.0
ENE												1.0	1.0
E												1.0	8.0
ESE												1.0	1.0
SE												1.0	2.0
SSE												1.0	1.0
S												1.0	1.0
SSW												1.0	1.0
SW												1.0	1.0
WSW												1.0	1.0
W												1.0	1.0
WNW												1.0	1.0
NW												1.0	1.0
NNW												1.0	1.0
VARBL												1.0	1.0
CALM												1.0	1.0
												1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEAR

MONTH

CLASS

MOORE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	1.									1.7	5.7
NNE	.	.	.									1.0	1.0
NE	.	.	1.									1.0	1.0
ENE	.	1.	1.	.	.	.						1.0	2.0
E	.	1.	1.	.	.	.						1.0	2.4
ESE	.	1.	1.	1.								1.0	1.0
SE	.	1.	1.	1.								1.0	2.0
SSE	.	1.	1.	1.								1.0	2.0
S	.	1.	1.	1.	1.							1.0	2.0
SSW	.	1.	1.	1.	1.							1.0	1.0
SW	.	1.	1.	1.	1.							1.0	10.1
WSW	.	1.	1.	1.	1.							1.0	10.2
W	.	1.	1.	1.	1.							1.0	1.0
WNW	.	1.	1.	1.	1.							1.0	1.0
NW	.	1.	1.	1.	1.							1.0	1.0
NNW	.	1.	1.	1.	1.							1.0	1.0
VABBL													1.0
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEAR _____ MONTH _____
CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	.	.	.	.	.	.	.	.	.	1.	1.
NNE	1.	1.
NE	1.	1.
ENE	1.	1.
E	.	1.	.	1.	.	.	.	.	.	.	.	1.	1.
ESE	.	1.	1.	1.	.	.	.	.	.	.	.	1.	1.
SE	.	1.	1.	1.	.	.	.	.	.	.	.	1.	1.
SSE	.	.	.	1.	.	.	.	.	.	.	.	1.	1.
S	.	.	.	1.	.	.	.	.	.	.	.	1.	1.
SSW	.	.	.	1.	.	.	.	.	.	.	.	1.	1.
SW	.	.	.	1.	.	.	.	.	.	.	.	1.	1.
WSW	.	.	1.	1.	.	.	.	.	.	.	.	1.	1.
W	.	1.	1.	1.	.	.	.	.	.	.	.	1.	1.
WNW	.	.	.	1.	.	.	.	.	.	.	.	1.	1.
NW	1.	1.
NNW	1.	1.
VARBL	1.	1.
CALM	1.	1.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.	7
NNE	1.	7
NE	1.	7
ENE	2.	7
E	2.	7
ESE	4.	7
SE	4.	7
SSE	4.	7
S	10.	7
SSW	10.	7
SW	10.	7
WSW	10.	7
W	10.	7
WNW	10.	7
NW	10.	7
NNW	10.	7
VARBL	10.	7
CALM	10.	7

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOUR (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•	•	•	•	•	•	•	•	1.0	3.1
NNE	•	•	•	•	•	•	•	•	•	•	•	1.0	3.6
NE	•	1.0	•	•	•	•	•	•	•	•	•	1.0	•
ENE	•	1.0	1.0	1.0	•	•	•	•	•	•	•	1.0	•
E	•	4.0	1.0	1.0	•	•	•	•	•	•	•	1.0	•
ESE	1.0	2.0	1.0	1.0	•	•	•	•	•	•	•	6.0	•
SE	•	1.0	2.0	1.0	•	•	•	•	•	•	•	1.0	•
SSE	•	1.0	•	1.0	•	•	•	•	•	•	•	1.0	•
S	•	3.0	•	4.0	•	•	•	•	•	•	•	11.0	•
SSW	•	2.0	2.0	2.0	•	•	•	•	•	•	•	1.0	•
SW	•	1.0	2.0	1.0	•	•	•	•	•	•	•	1.0	•
WSW	•	2.0	2.0	1.0	•	•	•	•	•	•	•	1.0	•
W	•	1.0	2.0	1.0	•	•	•	•	•	•	•	6.0	•
WNW	•	1.0	1.0	•	•	•	•	•	•	•	•	2.0	•
NW	•	1.0	•	•	•	•	•	•	•	•	•	1.0	•
NNW	•	•	•	•	•	•	•	•	•	•	•	1.0	•
VARB	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	11.0	20.0	30.0	10.1	10.0	•	•	•	•	•	•	10.0	7.2

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

STATION NUMBER _____ YEARS _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	7.0
NNE	.	1.0	1.0	.	.	.	.	.	.	.	.	1.0	1.0
NE	.	1.0	1.0	1.0	.	.	.	.	.	.	.	2.0	2.0
ENE	1.0	1.0	1.0	1.0	.	.	.	.	.	.	.	4.0	4.0
E	.	.	1.0	1.0	.	.	.	.	.	.	.	2.0	6.0
ESE	.	.	1.0	1.0	.	.	.	.	.	.	.	1.0	1.0
SE	.	1.0	1.0	1.0	.	.	.	.	.	.	.	2.0	2.0
SSE	1.0	1.0	1.0	1.0	.	.	.	.	.	.	.	2.0	2.0
S	.	.	1.0	1.0	1.0	.	.	.	.	.	.	10.0	10.0
SSW	.	.	1.0	1.0	1.0	.	.	.	.	.	.	1.0	1.0
SW	.	.	1.0	1.0	1.0	.	.	.	.	.	.	4.0	4.0
WSW	.	1.0	1.0	1.0	.	.	.	.	.	.	.	6.0	6.0
W	.	1.0	1.0	1.0	.	.	.	.	.	.	.	11.0	11.0
WNW	.	1.0	1.0	.	.	.	.	.	.	.	.	3.0	3.0
NW	.	1.0	.	.	.	.	.	.	.	.	.	2.0	2.0
NNW	.	1.0	.	.	.	.	.	.	.	.	.	2.0	2.0
VARBL	1.0	1.0
CALM	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.4	.	.	.	.	.	.	.	.	.	.0	0.1
NNE	.	1.6	1.0	1.0	.	.	.	.	.	.	.	.0	0.1
NE	.	.	1.0	1.0	1.0	.	.	.	.	.	.	.0	0.4
ENE	.	.	1.0	1.0	.	.	.	.	.	.	.	1.1	0.6
E	1.0	1.0	1.0	1.0	.	.	.	.	.	.	.	.0	0.1
ESE	.	.	1.0	1.0	.	.	.	.	.	.	.	.0	7.2
SE	.	.	1.0	1.0	.	.	.	.	.	.	.	.0	0.4
SSE	.	.	1.0	1.0	1.0	.	.	.	.	.	.	1.7	0.1
S	.	1.0	1.0	1.0	1.0	.	.	.	.	.	.	.0	0.8
SSW	.	1.0	1.0	1.0	1.0	.	.	.	.	.	.	.0	0.7
SW	.	1.0	1.0	1.0	.	.	.	.	.	.	.	.0	0.7
WSW	.	1.0	1.0	1.0	1.0	.	.	.	.	.	.	.0	7.1
W	.	1.0	1.0	1.0	.	.	.	.	.	.	.	1.0	0.6
WNW	.	1.0	.	.	.	.	.	.	.	.	.	1.0	0.1
NW	.	.	.	1.0	.	.	.	.	.	.	.	1.0	0.1
NNW	1.0	0.1
VARBL0	0.1
CALM0	0.1
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

NORTH

7225

CLASS

11

MOORE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.7	0.0								0.0	1.8
NNE	0.0	0.0	1.0	0.0								0.0	4.0
NE	0.0	1.0	1.0	1.0								4.0	0.1
ENE	0.0	1.0	1.0	0.0								0.0	6.0
E	0.0	1.0	2.0	1.0								0.0	0.0
ESE	0.0	1.0	0.0	1.0								0.0	7.0
SE	0.0	1.0	0.0	2.0								0.0	0.0
SSE	0.0	0.0	0.0	1.0	0.0							0.0	0.0
S	0.0	1.0	0.0	0.0	0.0							0.0	10.0
SSW	0.0	1.0	0.0	4.0	0.0							10.0	0.0
SW	0.0	0.0	0.0	0.0	0.0							0.0	12.0
WSW	0.0	1.0	1.0	0.0	0.0							0.0	7.0
W	1.0	0.0	0.0	1.0	0.0							10.0	7.0
WNW	0.0	0.0	0.0	1.0								0.0	7.0
NW	0.0	0.0	0.0									0.0	0.0
NNW	0.0	0.0	0.0									1.0	0.0
VARB													
CALM													
	0.0	1.0	7.0	0.0	0.0							10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	1.7									2.0	10.5
NNE		.	1.7									1.0	.
NE		.	1.0	1.0								1.0	7.7
ENE		.	1.0	1.0								2.0	7.0
E	.	1.7	2.0	1.7								1.0	7.0
ESE		1.0	1.0	1.0	1.0							1.0	7.0
SE	.	1.0	7.0	1.0								9.0	10.1
SSE	.	1.0	7.0	2.0	1.7							1.0	7.0
S	.	2.0	4.1	1.0	1.0	1.0						11.0	10.2
SSW	.	.	1.0	1.0	1.7							1.0	10.7
SW	.	.	1.0	1.0	1.7							7.0	11.1
WSW	.	1.0	7.0	1.0								1.0	7.7
W	.	1.0	1.0	1.0								11.0	9.7
WNW	.	.	.	.								1.0	8.0
NW	.	.	1.0									1.0	8.0
NNW	.	.	1.0									1.0	8.0
VARBL													
CALM													
	1.0	1.0	41.7	3.1	1.0	1.0						11.0	10.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

STATION _____ YEARS _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	1.0									1.0	1.0
NNE		•	1.0									2.0	7.0
NIE	•	1.0	1.0	•								3.0	6.0
ENE		1.0	1.0	1.0								4.0	•
E		•	2.0	•								6.0	•
ESE		•	1.0	•								4.0	7.0
SE		1.0	•	1.0								4.0	•
SSE	•	1.0	•	1.0								7.0	7.0
S	•	•	•	•	1.0	•						12.0	•
SSW		1.0	•	•	1.0	•						13.0	1.0
SW		•	•	•	•	•						•	12.0
WSW	•	•	1.0	1.0	•							•	•
W	•	•	•	•	•							11.0	•
WNW		•	•	1.0								•	•
NW	•	•	1.0									•	•
NNW	•	•	•									•	•
VARBL													
CALM													
	•	•	1.0	•	•	•						1.0	•

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	1.0	•	•	•	•	•	•	•	•	1.0	1.0
NNE	•	1.0	•	•	•	•	•	•	•	•	•	1.0	1.0
NE	1.0	1.0	•	•	•	•	•	•	•	•	•	1.0	1.0
ENE	•	•	1.0	•	•	•	•	•	•	•	•	1.0	1.0
E	1.0	1.0	1.0	1.0	•	•	•	•	•	•	•	10.0	1.0
ESE	•	•	1.0	•	•	•	•	•	•	•	•	1.0	1.0
SE	•	•	1.0	•	•	•	•	•	•	•	•	1.0	1.0
SSE	•	1.0	1.0	•	•	•	•	•	•	•	•	1.0	1.0
S	1.0	1.0	1.0	1.0	•	•	•	•	•	•	•	17.0	1.0
SSW	•	•	1.0	•	•	•	•	•	•	•	•	1.0	1.0
SW	•	1.0	1.0	1.0	•	•	•	•	•	•	•	1.0	1.0
WSW	•	1.0	1.0	1.0	•	•	•	•	•	•	•	1.0	1.0
W	•	•	1.0	1.0	•	•	•	•	•	•	•	1.0	1.0
WNW	•	•	1.0	•	•	•	•	•	•	•	•	1.0	1.0
NW	•	1.0	•	•	•	•	•	•	•	•	•	1.0	1.0
NNW	•	•	•	•	•	•	•	•	•	•	•	1.0	1.0
VARBL	•	•	•	•	•	•	•	•	•	•	•	1.0	1.0
CALM	•	•	•	•	•	•	•	•	•	•	•	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

722

CLASS

HOUSE (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	1.0	1.0
NNE	.	.	.	.	.	.	.	.	.	.	.	1.0	1.0
NE	.	.	.	.	.	.	.	.	.	.	.	1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL													
CALM													
	11.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0
NNE	2.0	2.0
NE	.	1.0	1.0	.	.	.	.	.	.	.	.	2.0	2.0
ENE	.	1.0	1.0	.	.	.	.	.	.	.	.	4.0	4.0
E	.	1.0	1.0	.	.	.	.	.	.	.	.	7.0	7.0
ESE	.	1.0	1.0	.	1.0	.	.	.	.	.	.	10.4	10.4
SE	.	1.0	1.0	1.0	.	.	.	.	.	.	.	5.0	5.0
SSE	.	1.0	1.0	1.0	1.0	.	.	.	.	.	.	7.0	7.0
S	.	1.0	1.0	1.0	1.0	1.0	.	.	.	.	.	11.0	11.0
SSW	.	1.0	1.0	1.0	1.0	1.0	.	.	.	.	.	11.0	11.0
SW	.	1.0	1.0	1.0	1.0	1.0	.	.	.	.	.	11.0	11.0
WSW	.	1.0	1.0	1.0	1.0	1.0	.	.	.	.	.	11.0	11.0
W	.	1.0	1.0	1.0	1.0	1.0	.	.	.	.	.	11.0	11.0
WNW	.	1.0	1.0	1.0	1.0	1.0	.	.	.	.	.	11.0	11.0
NW	.	1.0	1.0	1.0	1.0	1.0	.	.	.	.	.	11.0	11.0
NNW	.	1.0	1.0	1.0	1.0	1.0	.	.	.	.	.	11.0	11.0
VARBL	11.0	11.0
CALM	11.0	11.0
	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	1.0	•	•	•						•	7.0
NNE	•	•	1.0	•	•	•						•	7.0
NE	•	•	•	1.0	•	•						•	•
ENE	1.0	•	•	•	•	•						•	•
E	•	•	•	1.0	•	•						•	•
ESE	•	•	•	1.0	•	•						•	•
SE	•	1.0	•	•	•	•						•	•
SSE	•	•	•	1.0	•	•						•	•
S	•	•	•	•	•	•						•	•
SSW	•	1.0	•	•	•	•						•	•
SW	•	•	•	•	•	•						•	•
WSW	•	•	1.0	•	•	•						•	•
W	•	•	•	1.0	•	•						•	•
WNNW	•	•	•	•	•	•						•	•
NW	•	•	•	•	•	•						•	•
NNW	•	•	•	•	•	•						•	•
VARBL												•	•
CALM	1.0	•	•	1.0	1.0	1.0						1.0	•

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME _____ MONTH _____

STATION _____ YEARS _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS (L.S.T.) _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3
NNE	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
NE	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
ENE	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
E	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
ESE	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
SE	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
SSE	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
S	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
SSW	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
SW	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
WSW	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
W	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
WNW	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
NW	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
NNW	.	.	.	1.	.	.	.	.	.	.	.	.	5.3
VARBL	5.3
CALM	5.3
	5.3

TOTAL NUMBER OF OBSERVATIONS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEAR

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•								•	•
NNE	•	•	•	•								•	•
NE	•	•	•	•								•	•
ENE	•	•	•	•		•						•	•
E	•	•	•	•								•	•
ESE	•	•	•	•	•							•	•
SE	•	•	•	•								•	•
SSE	•	•	•	•								•	•
S	•	•	•	•								•	•
SSW	•	•	•	•	•							•	•
SW	•	•	•	•	•							•	•
WSW	•	•	•	•	•	•						•	•
W	•	•	•	•								•	•
WNW	•	•	•	•								•	•
NW	•	•	•	•								•	•
NNW	•	•	•	•								•	•
VARBL												•	•
CALM												•	•
	•	•	•	•	•	•						1	•

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	1.	1.								.	1.
NNE	1.	1.	1.	1.	1.							.	1.
NE	.	1.	1.	1.	1.							.	1.
ENE	.	1.	1.	1.	1.							5.	1.
E	.	1.	1.	1.	1.							10.	1.
ESE	.	1.	1.	1.	1.							1.	1.
SE	.	1.	1.	1.	1.							1.	1.
SSE	.	1.	1.	1.	1.							1.	1.
S	1.	1.	1.	1.		1.						1.	1.
SSW	.	.	1.	1.								.	1.
SW	.	.	1.	1.								.	11.
WSW	.	.	1.	1.								4.	1.
W	.	1.	1.	1.			1.					.	1.
WNW	.	1.	1.		1.							.	1.
NW	.	1.	1.		1.							2.	1.
NNW	.	1.	1.									2.	1.
VARBL												.	1.
CALM												.	1.
	1.	1.	41.	1.	1.	1.	1.					1	1.

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	1.0	•	•	•	•	•	•	•	•	•	6.0
NNE	•	•	•	•	•	•	•	•	•	•	•	•	5.0
NE	•	•	•	•	•	•	•	•	•	•	•	•	7.0
ENE	1.0	•	•	•	•	•	•	•	•	•	•	•	•
E	1.0	•	•	•	•	•	•	•	•	•	•	•	•
ESE	•	•	•	1.0	•	•	•	•	•	•	•	•	5.0
SE	•	•	•	1.0	•	•	•	•	•	•	•	•	7.0
SSE	1.0	•	•	1.0	•	•	•	•	•	•	•	•	•
S	•	•	•	•	•	•	•	•	•	•	•	•	•
SSW	•	1.0	1.0	•	•	•	•	•	•	•	•	•	7.0
SW	•	•	•	•	•	•	•	•	•	•	•	•	•
WSW	•	•	1.0	1.0	•	•	•	•	•	•	•	•	•
W	•	•	1.0	•	•	•	•	•	•	•	•	•	•
WNW	•	•	•	•	•	•	•	•	•	•	•	•	6.0
NW	1.0	•	•	•	•	•	•	•	•	•	•	•	5.0
NNW	•	1.0	•	•	•	•	•	•	•	•	•	•	4.0
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEARS: _____ MONTH: 2
CLASS: _____ HOURS (L.S.T.): _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

7225

ALL DATA

ALL

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	1.0	.5	.	.	.	.	.	.	.	4.0	6.7
NNE	.	2.0	1.0	.5	.1	.	.	.	.	.	.	1.6	7.0
NE	.	1.0	1.0	1.0	.1	.	.	.	.	.	.	1.4	6.5
ENE	1.0	.5	.5	.5	.	.	.	.	.	.	.	1.7	7.2
E	1.0	.5	.5	1.0	.1	.	.	.	.	.	.	1.1	7.3
ESE	.	1.0	.5	1.0	.5	.	.	.	.	.	.	1.0	6.9
SE	.	1.0	.5	1.0	.	.	.	.	.	.	.	1.0	6.5
SSE	.	1.0	.5	1.0	.	.	.	.	.	.	.	1.0	6.5
S	.	.5	.5	2.0	.1	.	.	.	.	.	.	1.0	6.7
SSW	.	1.0	.5	1.0	.5	.	.	.	.	.	.	1.0	6.5
SW	.	1.0	.5	.5	.5	.	.	.	.	.	.	1.0	6.5
WSW	.	1.0	.5	.5	.5	.1	.	.	.	.	.	1.0	6.5
W	.	1.0	.5	1.0	.1	.	.	.	.	.	.	1.0	6.5
WNW	.	1.0	.	.5	.5	.	.	.	.	.	.	1.0	6.7
NW	.	1.0	.	.5	.5	.	.	.	.	.	.	1.0	7.2
NNW	.	1.0	.	.5	.	.	.	.	.	.	.	1.0	6.5
VARB.													
CALM													
	11.0	2.0	3.0	1.7	1.1	.5	.1					10.0	6.6

TOTAL NUMBER OF OBSERVATIONS

200

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

NORTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	1.0	1.0	•	•						•	10.0
NNE	•	•	1.0	1.0	•	•						•	7.0
NE	•	1.0	•	1.0	•	•						•	6.0
ENE	•	1.0	1.0	•	•	•						•	9.0
E	•	1.0	•	2.0	•	•						•	•
ESE	•	•	1.0	1.0	•	•						•	•
SE	•	•	1.0	1.0	•	•						•	10.0
SSE	•	•	1.0	1.0	•	•						•	10.0
S	•	•	1.0	1.0	1.0	•						•	11.7
SSW	•	1.0	1.0	1.0	1.0	•						•	10.0
SW	•	1.0	1.0	1.0	•	•						•	•
WSW	•	1.0	1.0	1.0	•	•						•	•
W	•	1.0	•	1.0	•	•						•	•
WNW	•	1.0	•	•	•	•						•	•
NW	•	•	•	1.0	•	•						•	•
NNW	•	•	•	•	•	•						•	•
VARB												•	•
CALA												•	•
	•	1.0	2.0	7.0	1.0	1.0						10.0	•

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0	2.7	1.0								6.4	9.3
NNE	0	1.0	2.7	2.0								7.0	9.4
NE	1.0	1.0	1.0	2.0								7.0	9.4
ENE	0	2.0	3.0	3.0	0.5							10.0	10.0
E	1.0	1.0	1.0	1.0	0.5							10.0	9.0
ESE	0	0	1.0	0	0							2.0	11.1
SE	0	0	1.0	1.0	1.0							3.0	11.0
SSE	0	0	1.0	2.0								3.0	11.0
S	0	1.0	2.0	2.0	1.0	0.5						10.0	11.0
SSW	1.0	1.0	1.0	2.0	1.0							10.0	10.0
SW	0	1.0	2.0	1.0	0.5							10.0	10.0
WSW	0	1.0	1.0	0								2.0	7.0
W	0	0	1.0	1.0								2.0	7.0
WNW	0	1.0	1.0	0	0.5							3.0	7.0
NW	0	0	0	0								0.0	5.0
NNW	0	0	0	1.0								1.0	5.0
VARBL													
CALM													
	0.0	1.0	2.0	2.0	0.5	0.5						10.0	9.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	NORTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	1.0	1.0							1.0	7.7
NNE	1.0	1.0	1.0	2.0	2.0							1.0	1.0
NE	1.0	1.0	1.0	2.0	1.0							1.0	1.0
ENE	1.0	1.0	1.0	4.0	2.0							1.0	1.0
E	1.0	1.0	2.0	2.0	2.0							1.0	1.0
ESE			1.0	1.0	1.0							1.0	1.0
SE		1.0	1.0	1.0	1.0							1.0	1.0
SSE		1.0	1.0	1.0	1.0							1.0	1.0
S	1.0	1.0	1.0	2.0	1.0							1.0	1.0
SSW	1.0	1.0	1.0	2.0	1.0							1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0							1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0							1.0	1.0
W	1.0	1.0	1.0	1.0	1.0							1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0							1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0							1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0							1.0	1.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.E.T.) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	2.0	1.0								6.0	5.1
NNE		•	1.0	2.0								7.0	7.0
NE	•	1.0	2.0	3.0	1.0							10.0	10.0
ENE	•	•	2.0	2.0	1.0							10.0	10.0
E	•	1.0	2.0	2.0								10.0	10.0
ESE	•	1.0	1.0	1.0		•	•					10.0	10.0
SE	•	1.0	2.0	1.0	•	•						10.0	10.0
SSE	•	1.0	2.0	1.0								10.0	10.0
S	•	1.0	2.0	2.0	1.0	•						11.0	11.0
SSW	•	1.0	2.0	2.0	1.0	•						11.0	11.0
SW		•	•	2.0	1.0							10.0	10.0
WSW		1.0	•	1.0	•							10.0	10.0
W	•	•	1.0	1.0								10.0	10.0
WNW	•	•	1.0	•								10.0	10.0
NW	•	•	•	1.0								10.0	10.0
NNW		•	1.0	1.0								10.0	10.0
VARBL													
CALM												1.0	
	•	1.0	2.0	2.0	1.0	1.0	•					10.0	10.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	2.	2.	1.	.	.	.	.	.	.	1.	10.1
NNE	.	1.	2.	1.	1.	.	.	.	.	.	.	1.	9.7
NE	.	.	2.	2.	1.	.	.	.	.	.	.	1.	11.1
ENE	.	1.	2.	2.	1.	.	.	.	.	.	.	1.	10.3
E	.	1.	2.	2.	1.	.	.	.	.	.	.	1.	11.0
ESE	.	.	2.	2.	1.	.	.	.	.	.	.	1.	10.1
SE	.	.	1.	1.	1.	.	.	.	.	.	.	1.	12.0
SSE	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	6.7
S	.	1.	2.	1.	1.	.	.	.	.	.	.	1.	11.2
SSW	.	1.	1.	2.	1.	.	.	.	.	.	.	1.	11.0
SW	.	.	1.	2.	1.	.	.	.	.	.	.	1.	14.0
WSW	.	.	.	1.	1.	.	.	.	.	.	.	1.	12.0
W	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	9.1
WNW	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	7.2
NW	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	10.7
NNW	.	1.	1.	1.	1.	.	.	.	.	.	.	1.	6.0
VARBL
CALM
	1.	1.	13.0	27.7	3.4	.	.	.	.	.	.	10.0	10.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	1.0	2.0	•	•	•	•	•	•	•	6.0	11.0
NNE	•	•	•	1.0	•	•	•	•	•	•	•	•	•
NE	•	•	•	•	•	•	•	•	•	•	•	•	•
ENE	•	1.0	•	•	•	•	•	•	•	•	•	•	11.0
E	•	1.0	•	•	•	•	•	•	•	•	•	•	•
ESE	•	•	1.0	1.0	1.0	•	•	•	•	•	•	•	11.0
SE	•	•	1.0	1.0	1.0	•	•	•	•	•	•	•	11.0
SSE	•	•	1.0	•	•	•	•	•	•	•	•	•	•
S	•	•	•	•	•	•	•	•	•	•	•	•	•
SSW	•	•	•	•	•	•	•	•	•	•	•	•	•
SW	•	•	•	1.0	•	•	•	•	•	•	•	•	•
WSW	•	•	•	1.0	•	•	•	•	•	•	•	•	•
W	•	•	•	1.0	•	•	•	•	•	•	•	•	•
WNW	•	•	•	•	•	•	•	•	•	•	•	•	•
NW	•	•	•	•	•	•	•	•	•	•	•	•	•
NNW	•	•	•	•	•	•	•	•	•	•	•	•	•
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	1.0	1.7	•	•	•	•	•	•	•	4.8	•
NNE	•	•	•	1.7	•	•	•	•	•	•	•	•	•
NE	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
ENE	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
E	•	•	•	1.0	•	•	•	•	•	•	•	•	•
ESE	•	•	•	1.0	•	•	•	•	•	•	•	•	•
SE	•	•	•	1.0	•	•	•	•	•	•	•	•	•
SSE	•	•	•	1.0	•	•	•	•	•	•	•	•	•
S	•	•	•	1.0	•	•	•	•	•	•	•	•	•
SSW	•	•	•	1.0	•	•	•	•	•	•	•	•	•
SW	•	•	•	1.0	•	•	•	•	•	•	•	•	•
WSW	•	•	•	1.0	•	•	•	•	•	•	•	•	•
W	•	•	•	1.0	•	•	•	•	•	•	•	•	•
WNW	•	•	•	•	•	•	•	•	•	•	•	•	•
NW	•	•	•	•	•	•	•	•	•	•	•	•	•
NNW	•	•	•	•	•	•	•	•	•	•	•	•	•
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	1.0	1.0	1.0	2.4	1.7	1.0	•	•	•	•	•	1.0	•

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOUR (L S Y) _____

CONDITION _____

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.0	1.0								1.0	1.0
NNE		2.0	1.0	1.0	1.0							1.0	1.0
NE		1.0	1.0	1.0	1.0							1.0	1.0
ENE		1.0	1.0	1.0	1.0							1.0	1.0
E		1.0	2.0	1.0								1.0	1.0
ESE		1.0	1.0	1.0								1.0	1.0
SE		1.0	1.0	1.0								1.0	1.0
SSE		1.0	1.0	1.0	1.0							1.0	1.0
S		1.0	1.0	1.0	1.0							1.0	1.0
SSW		1.0	1.0	1.0								1.0	1.0
SW		1.0	1.0	1.0								1.0	1.0
WSW		1.0	1.0	1.0								1.0	1.0
W		1.0	1.0	1.0								1.0	1.0
WNW		1.0	1.0	1.0								1.0	1.0
NW		1.0	1.0	1.0								1.0	1.0
NNW		1.0	1.0	1.0								1.0	1.0
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
4	ALL	1971	ALL
CLASS		HOURS (L.S.T.)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	1.0	0.0	0						0	0.0
NNE	0	0	0	0.0	0.0							0	0.0
NIE	0	0	0	0.0	0.0	0.0						0	0.0
ENE	0	0	0	0.0	0.0	0.0						0	0.0
E	0	0	0	0.0	0.0	0.0						0	0.0
ESE	0	0	0	0.0	0.0	0.0	0					0	0.0
SE	0	0	0	0.0	0.0	0.0	0					0	0.0
SSE	0	0	0	0.0	0.0	0.0	0					0	0.0
S	0	0	0	0.0	0.0	0.0	0					0	0.0
SSW	0	0	0	0.0	0.0	0.0	0					0	0.0
SW	0	0	0	0.0	0.0	0.0	0					0	0.0
WSW	0	0	0	0.0	0.0	0.0	0					0	0.0
W	0	0	0	0.0	0.0	0.0	0					0	0.0
WNW	0	0	0	0.0	0.0	0.0	0					0	0.0
NW	0	0	0	0.0	0.0	0.0	0					0	0.0
NNW	0	0	0	0.0	0.0	0.0	0					0	0.0
VARBL													
CALM													
	0.0	0.0	0.0	0.0	0.0	0	0.0					0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURE (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	•	1.0	•	•	•	•	•	•	•	1.7	•.2
NNE	•	1.0	1.0	•	1.0	•	•	•	•	•	•	•.7	•.4
NE	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•.4	•.4
ENE	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•.4	•.4
E	•	1.0	1.0	1.0	1.0	•	•	•	•	•	•	•.4	•.4
ESE	•	•	1.0	1.0	•	•	•	•	•	•	•	•.4	•.4
SE	•	•	1.0	1.0	1.0	•	•	•	•	•	•	•.4	•.4
SSE	•	•	1.0	1.0	•	•	•	•	•	•	•	•.4	•.4
S	•	1.0	•	1.0	1.0	•	•	•	•	•	•	1.0	1.0
SSW	•	•	1.0	1.0	1.0	•	•	•	•	•	•	1.0	1.0
SW	•	•	1.0	1.0	1.0	•	•	•	•	•	•	1.0	1.0
WSW	•	•	1.0	1.0	1.0	•	•	•	•	•	•	1.0	1.0
W	•	•	1.0	1.0	1.0	•	•	•	•	•	•	1.0	1.0
WNW	•	1.0	1.0	1.0	•	•	•	•	•	•	•	1.0	1.0
NW	•	1.0	1.0	1.0	•	•	•	•	•	•	•	1.0	1.0
NNW	•	1.0	•	1.0	•	•	•	•	•	•	•	1.0	1.0
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	11.7	•	•	•	•	•	•	1.0	•.4

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEAR _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	1.7	2.3	2.7							1.6	1.7
NNE	.	.	2.2	2.6	2.7							1.6	9.2
NE	.	1.6	2.2	1.6	2.7							1.7	9.3
ENE		.	.	1.7								1.7	11.6
E	.	1.7	1.6	2.6	1.6	2.7						1.7	11.2
ESE	.	.	2.2	2.6	2.7							1.7	1.9
SE	.	.	2.2	2.6	2.7							4.7	1.7
SSE	.	2.2	2.2	2.6	1.3							2.7	17.2
S	.	2.2	1.6	2.6	2.7	2.7						1.6	11.6
SSW	.	.	2.2	1.6	1.3	2.7						1.6	12.1
SW	.	1.6	1.6	2.6	2.7	2.7						1.6	12.1
WSW	.	.	2.2	2.6	2.7							1.6	12.1
W	.	2.2	2.2	2.6	1.3							2.7	12.1
WNW		.	2.2	2.6								1.6	12.1
NW	.	1.6	2.2	2.6	2.7							1.6	12.1
NNW	.	.	2.2	2.6								1.6	11.1
VARBL													
CALM													
	.	1.6	2.2	2.6	2.7	2.7						1.6	1.6

TOTAL NUMBER OF OBSERVATIONS

SMOS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1	0	1.7	0.7							0	0.0
NNE	0	0	1.0	2.0	0.0							0	0.1
NE	0	0	0.0	1.0	0.7							4	0.9
ENE		0	0	0.7	0							0	12
E		0	1.0	1.0	1.0							0	11.0
ESE		0	1.0	0.0								7	11.0
SE	0	0	0	1.0	0							0	1.0
SSE		1	1	0.0	0.7							0	11.0
S	0	1	1	0.0	1.0	1						11	10.0
SSW		0	1.0	0.0	1.0	0						0	10.0
SW		0	1.0	0.0	0.7							0	11.0
WSW			1	0.0	0							0	10.0
W		0	1	0.0	0	0						11	11.0
WNW		0	1	0.0								0	11.0
NW	0	0	0	0.0	1.0							0	10.0
NNW		0	0	0.7		0						0	11.0
VARBL													
CALM												0	
	0	1	1	0.0	0.0	0.0						0	11.0

TOTAL NUMBER OF OBSERVATIONS

SOWS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

CONDITION

TOTAL NUMBER OF OBSERVATIONS

SMS

4

24664412

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

STATION _____ YEARS _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7	1.7	1.7							1.7	1.7
NNE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
NE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
ENE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
E	1.7	1.7	1.7	1.7	1.7							1.7	1.7
ESE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
SE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
SSE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
S	1.7	1.7	1.7	1.7	1.7							1.7	1.7
SSW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
SW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
WSW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
W	1.7	1.7	1.7	1.7	1.7							1.7	1.7
WNW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
NW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
NNW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
VARB													
CALM													
	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME _____ MONTH _____
 CLASS _____ HOURS (L.S.T.) _____
 YEAR _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0.7	0	0.2	0	0	0	0	0	0	0	0.0	0.0
NNE	0	1.0	0.2	1.0	0.7	0	0	0	0	0	0	0.0	0.0
NE	0	1.0	1.0	1.0	0.7	0	0	0	0	0	0	4.0	0.0
ENE	0	0.7	1.0	1.0	0	0	0	0	0	0	0	0.0	0.0
E	0	1.0	0.2	1.0	1.0	0	0	0	0	0	0	0.0	0.0
ESE	0	0	1.0	1.0	0.7	0	0	0	0	0	0	0.0	0.0
SE	0	0	1.0	1.0	0.7	0	0	0	0	0	0	0.0	0.0
SSE	0	0	1.0	1.0	0.7	0	0	0	0	0	0	0.0	0.0
S	0	1.0	1.0	4.0	1.0	0	0	0	0	0	0	0.0	0.0
SSW	0	0	1.0	0.2	1.0	0	0	0	0	0	0	0.0	0.0
SW	0	0	1.0	0.2	0.7	0	0	0	0	0	0	0.0	0.0
WSW	0	0	0.2	1.0	0.7	0	0	0	0	0	0	0.0	0.0
W	0	1.0	0.2	0.2	0	0	0	0	0	0	0	0.0	0.0
WNW	0	0	1.0	1.0	0.7	0	0	0	0	0	0	0.0	0.0
NW	0	1.0	0.2	1.0	0.7	0	0	0	0	0	0	4.0	0.0
NNW	0	1.0	0	1.0	0.7	0	0	0	0	0	0	0.0	0.0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
CALM	0	17.0	0.0	31.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 1225 STATION NAME ALL TIME CLASS YEARS MONTH HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.7	2.7	2.0	0.7							0.7	0.4
NNE	0	0	1.0	1.7	0.7							0.7	0.3
NE	0	0	1.0	0.7	0.7							0.7	0.3
ENE	0	1.0	1.0	0.7								0.7	0.3
E	1.0	1.0	1.0	1.0								0.7	0.3
ESE	0	0	0	0								0.7	0.3
SE	0	0	0	0.7								0.7	0.3
SSE	0	0	0	0.7	0.7							0.7	0.3
S	0	0	0	0.7	0.7	1.0						0.7	0.3
SSW	0	0	0	0.7	0.7	1.0						0.7	0.3
SW	0	0	0	0.7	0.7	0.7						0.7	0.3
WSW	0	0	0	0.7	0.7	0.7						0.7	0.3
W	0	0	0	0.7	0.7	0.7						0.7	0.3
WNW	0	0	0	0.7	0.7	0.7						0.7	0.3
NW	0	0	0	0.7	0.7	0.7						0.7	0.3
NNW	0	0	0	0.7	0.7	0.7						0.7	0.3
VARBL													
CALM													
	0	1.7	2.7	2.0	0.7	4.0						10.0	1.4

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEAR _____ MONTH _____

CLASS _____

CONDITION _____

HOURE (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	2.0	2.0	•	•	•	•	•	•	•	•	1.0
NNE	•	•	1.0	1.0	•	•	•	•	•	•	•	•	1.0
NE	•	•	•	1.0	•	•	•	•	•	•	•	•	1.0
ENE	•	1.0	1.0	•	1.0	•	•	•	•	•	•	•	1.0
E	•	1.0	1.0	•	•	•	•	•	•	•	•	•	1.0
ESE	•	•	1.0	•	•	•	•	•	•	•	•	•	1.0
SE	•	•	•	1.0	•	•	•	•	•	•	•	•	1.0
SSE	•	•	1.0	1.0	•	•	•	•	•	•	•	•	1.0
S	•	1.0	1.0	1.0	1.0	1.0	•	•	•	•	•	•	1.0
SSW	•	1.0	1.0	1.0	1.0	1.0	•	•	•	•	•	•	1.0
SW	•	1.0	1.0	1.0	1.0	1.0	•	•	•	•	•	•	1.0
WSW	•	1.0	1.0	1.0	1.0	1.0	•	•	•	•	•	•	1.0
W	•	1.0	1.0	1.0	1.0	1.0	•	•	•	•	•	•	1.0
WNW	•	•	1.0	1.0	1.0	1.0	•	•	•	•	•	•	1.0
NW	•	•	1.0	1.0	1.0	1.0	•	•	•	•	•	•	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	•	•	•	•	•	•	1.0
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	•	1.0	2.0	1.0	1.0	1.0	•	•	•	•	•	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

1

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1957 NORTH 35° 45'

CLASS 11 HOURS (L.S.T.) 11

CONDITION 11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0.1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
E	0	0	0	0	0	0	0	0	0	0	0	0	0.0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0.0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0.0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0.0
W	0	0	0	0	0	0	0	0	0	0	0	0	0.0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0.0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0.0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0.0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0.0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	0	0	0	0	0	0	0	0	0	0	0	0	0.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 HOURS (L.S.T.) _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•	•	•	•	•	•	•	•	10.0	•
NNE	•	•	•	•	•	•	•	•	•	•	•	•	•
NE	•	•	•	•	•	•	•	•	•	•	•	•	•
ENE	•	•	•	•	•	•	•	•	•	•	•	•	•
E	•	•	•	•	•	•	•	•	•	•	•	•	•
ESE	•	•	•	•	•	•	•	•	•	•	•	•	•
SE	•	•	•	•	•	•	•	•	•	•	•	•	•
SSE	•	•	•	•	•	•	•	•	•	•	•	•	•
S	•	•	•	•	•	•	•	•	•	•	•	•	•
SSW	•	•	•	•	•	•	•	•	•	•	•	•	•
SW	•	•	•	•	•	•	•	•	•	•	•	•	•
WSW	•	•	•	•	•	•	•	•	•	•	•	•	•
W	•	•	•	•	•	•	•	•	•	•	•	•	•
WNW	•	•	•	•	•	•	•	•	•	•	•	•	•
NW	•	•	•	•	•	•	•	•	•	•	•	•	•
NNW	•	•	•	•	•	•	•	•	•	•	•	•	•
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	7.	1.	2.								11.	7.6
NNE		1.	1.	1.								6.6	7.2
NE	.	.	.	1.	2.		.					1.	11.1
ENE	.	1.	2.	1.	.							.	1.1
E		1.	1.	1.								2.6	1.1
ESE			.	1.								1.	11.1
SE				2.	2.							.	16.1
SSE	.	1.	1.	2.	2.	2.						4.	1.1
S	.	1.	1.	2.	2.	1.						7.	17.6
SSW		1.	1.	2.	1.	2.						7.1	11.1
SW	.	1.	2.	2.	1.	2.						.	11.2
WSW	.	.	1.	2.	1.	2.						.	12.
W	.	1.	2.	1.	2.	1.						1.	12.1
WNW	.	.	1.	2.	2.	2.						3.	17.
NW	.	1.	1.	1.	1.	.						2.	11.6
NNW	.	1.	1.	2.	2.	.						.	1.1
VARBL													
CALM													
	.	17.	24.	16.4	11.	1.	1.	1.				10.1	11.1

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	1.0	2.7	•	•	•	•	•	•	•	10.7	7.0
NNE	•	1.0	1.0	•	•	•	•	•	•	•	•	•	•
NE	•	1.0	•	•	•	•	•	•	•	•	•	•	•
ENE	•	1.0	•	1.0	•	•	•	•	•	•	•	•	•
E	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
ESE	•	•	•	•	•	•	•	•	•	•	•	•	•
SE	•	•	1.0	1.0	•	•	•	•	•	•	•	•	•
SSE	•	•	•	2.7	1.0	•	•	•	•	•	•	•	•
S	•	•	•	4.0	1.0	1.0	•	•	•	•	•	•	•
SSW	•	1.0	1.0	1.0	1.0	•	•	•	•	•	•	•	•
SW	•	1.0	1.0	1.0	1.0	•	•	•	•	•	•	•	•
WSW	•	1.0	•	1.0	•	•	•	•	•	•	•	•	•
W	•	1.0	•	2.0	•	•	•	•	•	•	•	•	•
WNW	•	1.0	1.0	•	•	•	•	•	•	•	•	•	•
NW	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
NNW	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	•	17.1	24.0	7.7	10.0	6.7	•	•	•	•	•	10.0	10.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH DAY

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	7.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.5	6.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	9.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	7.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0	7.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	11.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	14.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	15.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	16.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	17.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	18.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	19.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	20.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	21.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	22.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ STATION: _____ YEARS: _____ MONTH: _____ ALL

CLASS: _____ HOURS (L.S.T.): _____ ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	7.0	1.0	•	•	•	•	•	•	•	•	•
NNE	•	1.0	1.0	•	•	•	•	•	•	•	•	•	•
NE	•	•	1.0	1.0	•	•	•	•	•	•	•	•	•
ENE	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
E	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
ESE	•	•	1.0	1.0	•	•	•	•	•	•	•	•	•
SE	•	•	1.0	1.0	•	•	•	•	•	•	•	•	•
SSE	•	•	1.0	1.0	•	•	•	•	•	•	•	•	•
S	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
SSW	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
SW	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
WSW	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
W	•	1.0	1.0	1.0	•	•	•	•	•	•	•	•	•
WNW	•	•	1.0	1.0	•	•	•	•	•	•	•	•	•
NW	•	•	1.0	1.0	•	•	•	•	•	•	•	•	•
NNW	•	•	1.0	1.0	•	•	•	•	•	•	•	•	•
VARBL	•	•	1.0	1.0	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

SMOS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	DIRECTION	CLASS	CONDITION
10 L	NORTH				
ALL					
HOURS (U.S.T.)					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		•	1.	1.3	•	•	•					•	11.4
NNE	•	•	•	•	•	•						•	12.
NE	•	•	•	1.1	•	•	•					•	14.4
ENE	•	•	•	•	•	•						•	15.1
E	•	•	1.	1.	•	•	•					•	12.
ESE	•	•	•	•	•	•	•					•	11.7
SE	•	•	1.	•	•	•	•					•	11.
SSE	•	•	•	1.	•	•	•	•				•	15.3
S	•	1.	•	1.	1.	1.	•	•				1	14.9
SSW	•	•	•	1.	4.	1.	•	•				1	14.9
SW	•	•	•	•	3.	1.	•					12.	16.
WSW	•	•	•	•	3.	•	•					•	17.
W	•	•	1.	•	1.	•	•	•				•	16.
WNW	•	•	1.	1.	•	•	•	•				•	17.9
NW	•	•	•	•	•	•	•	•				•	11.9
NNW	•	•	1.	1.	•		•					•	11.7
VARBL													
CALM												•	
	•	•	2.	3.	1.	3.	2.	•				1	13.4

TOTAL NUMBER OF OBSERVATIONS

11

NOCD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 1800												
≥ 1500					91.0							92.6
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500										97.4		98.1
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0					95.4		96.9			98.3		100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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3000													
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2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEARS _____ MONTH _____

HOURLY (L.S.T.) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
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2500														
2000														
1800														
1500														
1200														
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900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
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800														
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600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING												≥ 0
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
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1200												
1000												
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800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

MOVERS (L S Y)

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

REVEREND

MONTH

HOURS (L S T)

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
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300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING ≥ 20000													
18000 AI AI													
16000 AI AI													
14000 AI AI													
12000 AI AI													
10000 AI AI													
9000 AI AI													
8000 AI AI													
7000 AI AI													
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300 AI AI													
200 AI AI													
100 AI AI													
0 AI AI													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

MOURE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
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200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
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100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ MONTH _____ YEARS _____ HOURS (L.S.T.) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	¾	½	5/16	¼	0			
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
900	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
800	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
700	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
600	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
500	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
400	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
300	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
200	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
0	•	•	•	•	•	•	•	•	•	•	•	•	•	•			

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
AI AI 18000													
AI AI 16000													
AI AI 14000													
AI AI 12000													
AI AI 10000													
AI AI 9000													
AI AI 8000													
AI AI 7000													
AI AI 6000													
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AI AI 4500													
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AI AI 900													
AI AI 800													
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AI AI 500													
AI AI 400													
AI AI 300													
AI AI 200													
AI AI 100													
AI AI 0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEARS _____ MONTH _____ HOURS (L.S.T.) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
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AI AI														

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
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300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEARS _____ MONTH _____

HOURS (L.S.T.) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
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100														
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TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOURS (L S Y)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
900 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
700 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
100 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
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500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
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1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

AD-A150 537 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
BERMUDA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

AD-A150 537 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
BERMUDA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

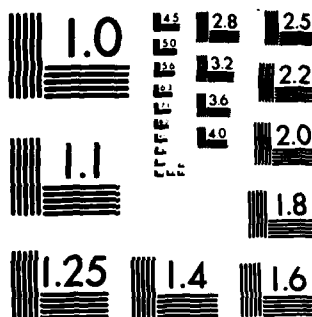
3/4

UNCLASSIFIED

F/G 4/2

NL

A grid of 80 squares arranged in 8 rows and 10 columns. The top-left square is missing, leaving a total of 79 squares.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 20000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & P)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 7

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURLY (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & P)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•
≥ 9000	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEAR _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DATE (L S Y) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		AI 10	AI 6	AI 5	AI 4	AI 3	AI 2 1/2	AI 2	AI 1 1/2	AI 1 1/4	AI 1	AI 3/4	AI 5/16	AI 1/2	AI 1/4	AI 0
NO CEILING	AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20000	AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
900	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
800	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
700	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
600	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
500	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
100	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0	AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MONYM

MOVIES (L S Y)

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEAR _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
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700															
600															
500															
400															
300															
200															
100															
0															

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 20000	100	100	100	100	100	100	100	100	100	100	100	100	100
18000	100	100	100	100	100	100	100	100	100	100	100	100	100
16000	100	100	100	100	100	100	100	100	100	100	100	100	100
14000	100	100	100	100	100	100	100	100	100	100	100	100	100
12000	100	100	100	100	100	100	100	100	100	100	100	100	100
10000	100	100	100	100	100	100	100	100	100	100	100	100	100
9000	100	100	100	100	100	100	100	100	100	100	100	100	100
8000	100	100	100	100	100	100	100	100	100	100	100	100	100
7000	100	100	100	100	100	100	100	100	100	100	100	100	100
6000	100	100	100	100	100	100	100	100	100	100	100	100	100
5000	100	100	100	100	100	100	100	100	100	100	100	100	100
4500	100	100	100	100	100	100	100	100	100	100	100	100	100
4000	100	100	100	100	100	100	100	100	100	100	100	100	100
3500	100	100	100	100	100	100	100	100	100	100	100	100	100
3000	100	100	100	100	100	100	100	100	100	100	100	100	100
2500	100	100	100	100	100	100	100	100	100	100	100	100	100
2000	100	100	100	100	100	100	100	100	100	100	100	100	100
1800	100	100	100	100	100	100	100	100	100	100	100	100	100
1500	100	100	100	100	100	100	100	100	100	100	100	100	100
1200	100	100	100	100	100	100	100	100	100	100	100	100	100
1000	100	100	100	100	100	100	100	100	100	100	100	100	100
900	100	100	100	100	100	100	100	100	100	100	100	100	100
800	100	100	100	100	100	100	100	100	100	100	100	100	100
700	100	100	100	100	100	100	100	100	100	100	100	100	100
600	100	100	100	100	100	100	100	100	100	100	100	100	100
500	100	100	100	100	100	100	100	100	100	100	100	100	100
400	100	100	100	100	100	100	100	100	100	100	100	100	100
300	100	100	100	100	100	100	100	100	100	100	100	100	100
200	100	100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100	100	100
0	100	100	100	100	100	100	100	100	100	100	100	100	100

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1	1	1	1	1	1	1	1	1	1	1	1	1
≥ 20000	1	1	1	1	1	1	1	1	1	1	1	1	1
18000	1	1	1	1	1	1	1	1	1	1	1	1	1
16000	1	1	1	1	1	1	1	1	1	1	1	1	1
14000	1	1	1	1	1	1	1	1	1	1	1	1	1
12000	1	1	1	1	1	1	1	1	1	1	1	1	1
10000	1	1	1	1	1	1	1	1	1	1	1	1	1
9000	1	1	1	1	1	1	1	1	1	1	1	1	1
8000	1	1	1	1	1	1	1	1	1	1	1	1	1
7000	1	1	1	1	1	1	1	1	1	1	1	1	1
6000	1	1	1	1	1	1	1	1	1	1	1	1	1
5000	1	1	1	1	1	1	1	1	1	1	1	1	1
4500	1	1	1	1	1	1	1	1	1	1	1	1	1
4000	1	1	1	1	1	1	1	1	1	1	1	1	1
3500	1	1	1	1	1	1	1	1	1	1	1	1	1
3000	1	1	1	1	1	1	1	1	1	1	1	1	1
2500	1	1	1	1	1	1	1	1	1	1	1	1	1
2000	1	1	1	1	1	1	1	1	1	1	1	1	1
1800	1	1	1	1	1	1	1	1	1	1	1	1	1
1500	1	1	1	1	1	1	1	1	1	1	1	1	1
1200	1	1	1	1	1	1	1	1	1	1	1	1	1
1000	1	1	1	1	1	1	1	1	1	1	1	1	1
900	1	1	1	1	1	1	1	1	1	1	1	1	1
800	1	1	1	1	1	1	1	1	1	1	1	1	1
700	1	1	1	1	1	1	1	1	1	1	1	1	1
600	1	1	1	1	1	1	1	1	1	1	1	1	1
500	1	1	1	1	1	1	1	1	1	1	1	1	1
400	1	1	1	1	1	1	1	1	1	1	1	1	1
300	1	1	1	1	1	1	1	1	1	1	1	1	1
200	1	1	1	1	1	1	1	1	1	1	1	1	1
100	1	1	1	1	1	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1	1	1	1	1	1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
AI 20000												
AI 18000												
AI 16000												
AI 14000												
AI 12000												
AI 10000												
AI 9000												
AI 8000												
AI 7000												
AI 6000												
AI 5000												
AI 4500												
AI 4000												
AI 3500												
AI 3000												
AI 2500												
AI 2000												
AI 1800												
AI 1500												
AI 1200												
AI 1000												
AI 900												
AI 800												
AI 700												
AI 600												
AI 500												
AI 400												
AI 300												
AI 200												
AI 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOURS (L S Y)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
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800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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1200													
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900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4300														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
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1200																
1000																
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700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												≥ 0
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 9000												
≥ 8000												
≥ 7000												
≥ 6000												
≥ 5000												
≥ 4500												
≥ 4000												
≥ 3500												
≥ 3000												
≥ 2500												
≥ 2000												
≥ 1800												
≥ 1500												
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500												
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMQS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
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1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING												≥ 0
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
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1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1												
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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800													
700													
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500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
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1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
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400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION _____ STATION NAME _____ YEARS _____ MONTH _____ HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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7000													
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400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L & P)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	10 AI	6 AI	5 AI	4 AI	3 AI	2½ AI	2 AI	1½ AI	1¼ AI	1 AI	¾ AI	½ AI	⅓ AI	0 AI
NO CEILING														
20000 AI														
18000 AI AI														
16000 AI AI														
14000 AI AI														
12000 AI AI														
10000 AI AI														
9000 AI AI														
8000 AI AI														
7000 AI AI														
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700 AI AI														
600 AI AI														
500 AI AI														
400 AI AI														
300 AI AI														
200 AI AI														
100 AI AI														
0 AI AI														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOUSE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
AI AI													
18000													
AI AI													
16000													
AI AI													
14000													
AI AI													
12000													
AI AI													
10000													
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AI AI													
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AI AI													
100													
AI AI													
0													
AI AI													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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600													
500													
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200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION _____ YEAR _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURE (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
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200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
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400													
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200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
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500														
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300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	AI 10	AI 6	AI 5	AI 4	AI 3	AI 2½	AI 2	AI 1½	AI 1¼	AI 1	AI ¾	AI ½	AI 5/16	AI ¼	AI 0
NO CEILING															
AI 20000															
AI 18000															
AI 16000															
AI 14000															
AI 12000															
AI 10000															
AI 9000															
AI 8000															
AI 7000															
AI 6000															
AI 5000															
AI 4500															
AI 4000															
AI 3500															
AI 3000															
AI 2500															
AI 2000															
AI 1800															
AI 1500															
AI 1200															
AI 1000															
AI 900															
AI 800															
AI 700															
AI 600															
AI 500															
AI 400															
AI 300															
AI 200															
AI 100															
AI 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

MOUSE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
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AI AI														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & P)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
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200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEARS _____ MONTH _____ HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURE (L S Y)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
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300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
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200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
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100													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMQS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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200													
100													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOUSE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
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100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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100													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION _____ STATION NAME _____ YEARS _____ MONTH _____ HOURS (L.S.T.) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
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100												
0												

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
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100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOUSE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		AI 10	AI 6	AI 5	AI 4	AI 3	AI 2½	AI 2	AI 1½	AI 1¼	AI 1	AI ¾	AI ½	AI 5/16	AI ¼	AI 0
NO CEILING	AI															
20000	AI															
18000	AI AI															
16000	AI AI															
14000	AI AI															
12000	AI AI															
10000	AI AI															
9000	AI AI															
8000	AI AI															
7000	AI AI															
6000	AI AI															
5000	AI AI															
4500	AI AI															
4000	AI AI															
3500	AI AI															
3000	AI AI															
2500	AI AI															
2000	AI AI															
1800	AI AI															
1500	AI AI															
1200	AI AI															
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900	AI AI															
800	AI AI															
700	AI AI															
600	AI AI															
500	AI AI															
400	AI AI															
300	AI AI															
200	AI AI															
100	AI AI															
0	AI AI															

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 10
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
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200															
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0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
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DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOORE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
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0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
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≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												≥ 0
≥ 20000												
18000												
16000												
14000												
12000												
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	5/16	¼	0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
≥ 9000															
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≥ 300															
≥ 200															
≥ 100															
0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)		VISIBILITY (STATUTE MILES)															
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																	
AI 20000																	
AI 18000																	
AI 16000																	
AI 14000																	
AI 12000																	
AI 10000																	
AI 9000																	
AI 8000																	
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AI 100																	
AI 0																	

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEAR _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000														≥ 0
18000														
16000														
14000														
12000														
10000														
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
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16000												
14000												
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURLY (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
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≥ 500													
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≥ 300													
≥ 200													
≥ 100													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMQS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION _____ MONTH _____

STATION NAME _____ YEARS _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MOUSE (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING ≥ 20000												≥ 0
18000												
16000												
14000												
12000												
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000												
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
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16000													
14000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING													≥ 0
≥ 20000													
AI AI													
18000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS / L S T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVY WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEAR

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
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500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
1400														
1200														
10000														
9000														
8000														
7000														
6000														
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700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
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100														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
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100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

MOUSE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
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0														
AI AI														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S Y)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
10000														
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AI AI														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
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3000													
2500													
2000													
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1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

STATION	STATION NAME	PERIOD	MONTH

NAVWEASERVCOM

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9			10
		.			11.0					1.0	16.0	7.1	10
		.			1.0					37.0	14.4	7.3	10
		.			.					4.0	32.0	7.9	10
		.			24.0					1.0	32.0	7.9	10
		.			3.0					13.0	40.1	7.8	10
		.			2.0					11.0	17.0	.	10
		.			1.0					20.0	30.4	7.7	10
		.			.					10.0	31.0	7.3	10
TOTALS		10			2.0					30.0	15.1	7.6	100

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

PERIOD

MONTH

NAVWEASERVCOM

STATION

STATION NAME

PERIOD

MONY

[illegible]

MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

AD-A150 537

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
BERMUDA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

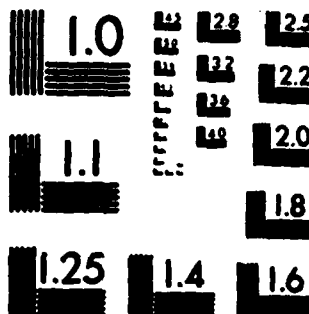
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

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STATION NAME

000034

POWER

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SKY COVER

STAY A T HOM

STAYING SAFE

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PLANNING

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

4

SECRET

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

TOTALS

NAVWEASERVCOM

SKY COVER

0707104

07A91400 WASH

11

NOTES

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9			10
		.			.					.1	15.0	.02	..
		.			.					.04	11.0	.01	..
		.			.					.49	27.0	.03	.
					.					.	20.0	.01	.
		.			.					.01	20.0	.02	..
		.			.					.01	20.0	.01	..
		.			.					.01	29.0	.06	-
		.			.					.10	20.0	.04	..
TOTALS										100	270.0	1.07	20

SKY COVER

RECEIVED

STATION NAME

3333

17

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SET COVER										MEAN TENTHS OF SET COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9			10
										1.7	22.7	0.4	0
										22.7	22.7	0.7	0
										22.7	24.9	0.3	0
										0	12.0	0.0	0
										41.0	27.0	7.1	10
										1.0	27.0	0.0	0
										22.0	1.3	0.4	0
										7.0	1.7	0.5	0
TOTALS										1.0	20.1	0.6	20

0747104

000000

Malware

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
					10.0					10.0	20.0		10.0	
					20.0					10.0	20.0		10.0	
					10.0					40.0	20.0		10.0	
					10.0					10.0	20.0		10.0	
					10.0					20.0	20.0		10.0	
					10.0					40.0	20.0		10.0	
					10.0					10.0	10.0		10.0	
					10.0					10.0	20.0		10.0	
TOTALS					10.0					10.0	10.0		10.0	20.0

STAYSAFE

STAYTON NAME

SECRET

NOTES

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9		
		2 . . 6
		3 . . 3
		2 . .
		2 . . 2
		2 . .
		2 . . 2
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PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

- a. Daily maximum temperature
- b. Daily minimum temperature
- c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

- a. Extreme maximum temperature
 - b. Extreme minimum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	4.0	4.4	17.1	6.2	20.7	6.9	20.7	6.9	1.0	1.1	1977
2	4.7	4.9	17.2	6.3	20.8	7.0	20.8	7.0	1.0	1.1	1977
3	5.0	5.0	17.3	6.3	20.9	7.1	20.9	7.1	1.0	1.1	1977
4	5.3	5.1	17.4	6.4	21.0	7.2	21.0	7.2	1.0	1.1	1977
5	5.6	5.3	17.5	6.4	21.1	7.3	21.1	7.3	1.0	1.1	1977
6	5.9	5.5	17.6	6.5	21.2	7.4	21.2	7.4	1.0	1.1	1977
7	6.2	5.6	17.7	6.5	21.3	7.5	21.3	7.5	1.0	1.1	1977
8	6.5	5.8	17.8	6.6	21.4	7.6	21.4	7.6	1.0	1.1	1977
9	6.8	5.9	17.9	6.6	21.5	7.7	21.5	7.7	1.0	1.1	1977
10	7.1	6.2	18.0	6.7	21.6	7.8	21.6	7.8	1.0	1.1	1977
11	7.4	6.3	18.1	6.8	21.7	7.9	21.7	7.9	1.0	1.1	1977
12	7.7	6.4	18.2	6.8	21.8	8.0	21.8	8.0	1.0	1.1	1977
13	8.0	6.7	18.3	6.9	21.9	8.1	21.9	8.1	1.0	1.1	1977
14	8.3	6.8	18.4	7.0	22.0	8.2	22.0	8.2	1.0	1.1	1977
15	8.6	7.0	18.5	7.1	22.1	8.3	22.1	8.3	1.0	1.1	1977
16	8.9	7.1	18.6	7.2	22.2	8.4	22.2	8.4	1.0	1.1	1977
17	9.2	7.3	18.7	7.3	22.3	8.5	22.3	8.5	1.0	1.1	1977
18	9.5	7.5	18.8	7.4	22.4	8.6	22.4	8.6	1.0	1.1	1977
19	9.8	7.6	18.9	7.5	22.5	8.7	22.5	8.7	1.0	1.1	1977
20	10.1	7.8	19.0	7.6	22.6	8.8	22.6	8.8	1.0	1.1	1977
21	10.4	8.0	19.1	7.7	22.7	8.9	22.7	8.9	1.0	1.1	1977
22	10.7	8.2	19.2	7.8	22.8	9.0	22.8	9.0	1.0	1.1	1977
23	11.0	8.3	19.3	7.9	22.9	9.1	22.9	9.1	1.0	1.1	1977
24	11.3	8.5	19.4	8.0	23.0	9.2	23.0	9.2	1.0	1.1	1977
25	11.6	8.7	19.5	8.1	23.1	9.3	23.1	9.3	1.0	1.1	1977
26	11.9	8.8	19.6	8.2	23.2	9.4	23.2	9.4	1.0	1.1	1977
27	12.2	9.0	19.7	8.3	23.3	9.5	23.3	9.5	1.0	1.1	1977
28	12.5	9.2	19.8	8.4	23.4	9.6	23.4	9.6	1.0	1.1	1977
29	12.8	9.4	19.9	8.5	23.5	9.7	23.5	9.7	1.0	1.1	1977
30	13.1	9.6	20.0	8.6	23.6	9.8	23.6	9.8	1.0	1.1	1977
31	13.4	9.8	20.1	8.7	23.7	9.9	23.7	9.9	1.0	1.1	1977
Monthly											

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA DAILY AVERAGE/EXTREME TEMPERATURES

STATION 1 1-1967 1-73-10 STATION NAME YEARS MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	59	15.0	56.0	13.3	72	22.2	41	5.6	52.0	11.1	31	0.6	1-7
2	59	15.0	57.0	13.9	72	22.2	41	5.6	52.0	11.1	31	0.6	1-7
3	59	15.0	56.7	13.8	71	21.7	40	5.0	51.1	10.6	30	0.0	1-7
4	59	15.0	56.0	13.3	71	21.7	40	5.0	50.0	10.0	29	-0.6	1-7
5	59	15.0	56.9	13.8	71	21.7	40	5.0	50.7	10.4	29	-0.6	1-7
6	59	15.0	56.0	13.3	70	21.1	39	4.4	50.0	10.0	28	-0.6	1-7
7	59	15.0	56.1	13.4	70	21.1	39	4.4	50.7	10.4	28	-0.6	1-7
8	59	15.0	57.0	13.9	70	21.1	39	4.4	50.0	10.0	27	-0.6	1-7
9	59	15.0	56.4	13.5	70	21.1	39	4.4	50.7	10.4	27	-0.6	1-7
10	59	15.0	57.0	13.9	70	21.1	39	4.4	50.0	10.0	26	-0.6	1-7
11	59	15.0	57.3	14.1	70	21.1	39	4.4	50.0	10.0	26	-0.6	1-7
12	59	15.0	57.1	13.9	70	21.1	39	4.4	50.0	10.0	25	-0.6	1-7
13	59	15.0	56.9	13.8	70	21.1	39	4.4	50.0	10.0	25	-0.6	1-7
14	59	15.0	56.0	13.3	70	21.1	39	4.4	50.0	10.0	24	-0.6	1-7
15	59	15.0	57.0	13.9	70	21.1	39	4.4	50.0	10.0	24	-0.6	1-7
16	59	15.0	57.0	13.9	70	21.1	39	4.4	50.0	10.0	23	-0.6	1-7
17	59	15.0	57.3	14.1	70	21.1	39	4.4	50.0	10.0	23	-0.6	1-7
18	59	15.0	57.0	13.9	70	21.1	39	4.4	50.0	10.0	22	-0.6	1-7
19	59	15.0	57.7	14.3	70	21.1	39	4.4	50.0	10.0	22	-0.6	1-7
20	59	15.0	57.5	14.2	70	21.1	39	4.4	50.0	10.0	21	-0.6	1-7
21	59	15.0	56.3	13.5	70	21.1	39	4.4	50.0	10.0	21	-0.6	1-7
22	59	15.0	57.0	13.9	70	21.1	39	4.4	50.0	10.0	20	-0.6	1-7
23	59	15.0	56.0	13.3	70	21.1	39	4.4	50.0	10.0	20	-0.6	1-7
24	59	15.0	56.7	13.8	70	21.1	39	4.4	50.0	10.0	19	-0.6	1-7
25	59	15.0	56.0	13.3	70	21.1	39	4.4	50.0	10.0	19	-0.6	1-7
26	59	15.0	57.0	13.9	70	21.1	39	4.4	50.0	10.0	18	-0.6	1-7
27	59	15.0	56.7	13.8	70	21.1	39	4.4	50.0	10.0	18	-0.6	1-7
28	59	15.0	57.7	14.3	70	21.1	39	4.4	50.0	10.0	17	-0.6	1-7
29	59	15.0	56.0	13.3	70	21.1	39	4.4	50.0	10.0	17	-0.6	1-7
30													
31	59	15.0	57.1	13.9	70	21.1	39	4.4	50.0	10.0	16	-0.6	1-7
Monthly													

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: 14-1102 1071-1073 MONTH: YEARS: 1971-1973

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
1	-0	17.8	67.8	19.9	78	25.6	57.8	14.3	7	1.2
2	4.1	17.3	67.8	19.9	78	25.6	57.8	14.3	7	1.2
3	1.0	17.2	67.8	19.9	78	25.6	57.8	14.3	7	1.2
4	3.0	17.0	67.7	19.8	78	25.6	57.7	14.3	7	1.2
5	1.0	17.7	67.8	19.9	78	25.6	57.8	14.3	7	1.2
6	1.4	18.2	67.8	19.9	78	25.6	57.8	14.3	7	1.2
7	3.0	18.3	67.7	19.8	78	25.6	57.7	14.3	7	1.2
8	4.0	18.1	67.7	19.8	78	25.6	57.7	14.3	7	1.2
9	0	17.7	67.8	19.9	78	25.6	57.8	14.3	7	1.2
10	0.4	17.4	67.8	19.9	78	25.6	57.8	14.3	7	1.2
11	0	17.2	66.8	18.8	78	25.6	56.8	13.8	4	7.8
12	0.3	17.4	67.8	19.9	78	25.6	57.8	14.3	7	1.2
13	0.0	18.2	67.8	19.9	78	25.6	57.8	14.3	7	1.2
14	0.0	18.3	67.7	19.8	78	25.6	57.7	14.3	7	1.2
15	0.0	18.1	67.8	19.9	78	25.6	57.8	14.3	7	1.2
16	0.3	17.8	67.8	19.9	78	25.6	57.8	14.3	7	1.2
17	0.0	17.3	67.8	19.9	78	25.6	57.8	14.3	7	1.2
18	0.0	16.9	67.8	19.9	78	25.6	57.8	14.3	7	1.2
19	0.0	17.0	67.8	19.9	78	25.6	57.8	14.3	7	1.2
20	1.0	17.1	67.8	19.9	78	25.6	57.8	14.3	7	1.2
21	3.0	17.6	67.8	19.9	78	25.6	57.8	14.3	7	1.2
22	1.0	17.4	67.8	19.9	78	25.6	57.8	14.3	7	1.2
23	0.1	17.3	67.8	19.9	78	25.6	57.8	14.3	7	1.2
24	0.0	17.7	67.8	19.9	78	25.6	57.8	14.3	7	1.2
25	0.0	17.9	67.8	19.9	78	25.6	57.8	14.3	7	1.2
26	0.0	17.9	67.8	19.9	78	25.6	57.8	14.3	7	1.2
27	4.0	17.1	67.8	19.9	78	25.6	57.8	14.3	7	1.2
28	4.1	17.3	67.8	19.9	78	25.6	57.8	14.3	7	1.2
29	0.0	17.4	67.8	19.9	78	25.6	57.8	14.3	7	1.2
30	4.0	17.4	67.8	19.9	78	25.6	57.8	14.3	7	1.2
31	0.0	17.0	67.8	19.9	78	25.6	57.8	14.3	7	1.2
Monthly	0	17.3	67.8	19.9	78	25.6	57.8	14.3	7	1.2

*ALSO ON EARLIER YEARS

DIRNAVOCANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

STATION

YEARS

MONTH

1967 1971-1972

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DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	6.7	12.2	6.6	20.3	75	24.4	62.1	1.1	62.1	1.1	51	11.7	1971
2	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
3	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
4	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
5	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
6	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
7	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
8	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
9	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
10	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
11	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
12	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
13	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
14	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
15	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
16	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
17	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
18	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
19	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
20	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
21	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
22	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
23	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
24	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
25	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
26	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
27	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
28	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
29	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
30	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
31	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971
Monthly	13.3	20.3	6.7	20.3	75	24.4	61.8	1.1	61.8	1.1	51	11.7	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

STATION

YEARS

MONTH

1971-1972

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	60.1	15.6	64.7	18.7	77	25.5	64.7	18.7	51	10.6	1971
2	60.2	15.7	64.8	18.8	77	25.6	64.8	18.8	51	10.7	1971
3	60.3	15.8	64.9	18.9	77	25.7	64.9	18.9	51	10.8	1971
4	60.4	15.9	65.0	19.0	77	25.8	65.0	19.0	51	10.9	1971
5	60.5	16.0	65.1	19.1	77	25.9	65.1	19.1	51	11.0	1971
6	60.6	16.1	65.2	19.2	77	26.0	65.2	19.2	51	11.1	1971
7	60.7	16.2	65.3	19.3	77	26.1	65.3	19.3	51	11.2	1971
8	60.8	16.3	65.4	19.4	77	26.2	65.4	19.4	51	11.3	1971
9	60.9	16.4	65.5	19.5	77	26.3	65.5	19.5	51	11.4	1971
10	61.0	16.5	65.6	19.6	77	26.4	65.6	19.6	51	11.5	1971
11	61.1	16.6	65.7	19.7	77	26.5	65.7	19.7	51	11.6	1971
12	61.2	16.7	65.8	19.8	77	26.6	65.8	19.8	51	11.7	1971
13	61.3	16.8	65.9	19.9	77	26.7	65.9	19.9	51	11.8	1971
14	61.4	16.9	66.0	20.0	77	26.8	66.0	20.0	51	11.9	1971
15	61.5	17.0	66.1	20.1	77	26.9	66.1	20.1	51	12.0	1971
16	61.6	17.1	66.2	20.2	77	27.0	66.2	20.2	51	12.1	1971
17	61.7	17.2	66.3	20.3	77	27.1	66.3	20.3	51	12.2	1971
18	61.8	17.3	66.4	20.4	77	27.2	66.4	20.4	51	12.3	1971
19	61.9	17.4	66.5	20.5	77	27.3	66.5	20.5	51	12.4	1971
20	62.0	17.5	66.6	20.6	77	27.4	66.6	20.6	51	12.5	1971
21	62.1	17.6	66.7	20.7	77	27.5	66.7	20.7	51	12.6	1971
22	62.2	17.7	66.8	20.8	77	27.6	66.8	20.8	51	12.7	1971
23	62.3	17.8	66.9	20.9	77	27.7	66.9	20.9	51	12.8	1971
24	62.4	17.9	67.0	21.0	77	27.8	67.0	21.0	51	12.9	1971
25	62.5	18.0	67.1	21.1	77	27.9	67.1	21.1	51	13.0	1971
26	62.6	18.1	67.2	21.2	77	28.0	67.2	21.2	51	13.1	1971
27	62.7	18.2	67.3	21.3	77	28.1	67.3	21.3	51	13.2	1971
28	62.8	18.3	67.4	21.4	77	28.2	67.4	21.4	51	13.3	1971
29	62.9	18.4	67.5	21.5	77	28.3	67.5	21.5	51	13.4	1971
30	63.0	18.5	67.6	21.6	77	28.4	67.6	21.6	51	13.5	1971
31	63.1	18.6	67.7	21.7	77	28.5	67.7	21.7	51	13.6	1971
Monthly	63.2	18.7	67.8	21.8	77	28.6	67.8	21.8	51	13.7	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE °F	AVERAGE °C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	EXTREME °F	EXTREME °C	AVERAGE °F	AVERAGE °C
1	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
2	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
3	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
4	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
5	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
6	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
7	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
8	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
9	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
10	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
11	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
12	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
13	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
14	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
15	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
16	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
17	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
18	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
19	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
20	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
21	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
22	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
23	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
24	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
25	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
26	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
27	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
28	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
29	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
30	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
31	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4
Monthly	70.1	21.4	70.3	21.4	72	21.4	68	20.9	71.4	21.4

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: STATION YEARS: MONTH: 1 1967 1968-1969

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
2	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
3	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
4	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
5	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
6	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
7	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
8	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
9	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
10	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
11	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
12	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
13	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
14	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
15	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
16	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
17	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
18	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
19	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
20	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
21	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
22	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
23	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
24	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
25	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
26	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
27	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
28	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
29	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
30	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
31	7.0	25.0	2.7	27.1	27.1	31.1	74.0	23.3	71.1	21.1	1967
Monthly			4.1	23.9	91	32.0	76.4	24.2	71	21.1	1967

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1957

1957-1957

MONTH

YEARS

STATION NAME

STATION

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	DATE
1	1.0	27.2	1.0	27.2	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
2	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
3	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
4	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
5	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
6	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
7	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
8	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
9	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
10	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
11	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
12	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
13	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
14	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
15	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
16	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
17	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
18	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
19	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
20	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
21	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
22	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
23	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
24	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
25	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
26	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
27	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
28	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
29	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
30	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
31	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957
Monthly	1.0	27.4	1.0	27.4	20.7	20.7	9	9	1957	1957	77.0	25.3	77	25.3	1957

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

1 - 1967 197 - 1967

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	77.1	25.6	77.1	25.6	81	27.8	76.6	24.8	72	22.2	1967
2	77.2	25.7	77.2	25.7	81	27.8	77.0	25.0	72	22.2	1967
3	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
4	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
5	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
6	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
7	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
8	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
9	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
10	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
11	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
12	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
13	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
14	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
15	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
16	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
17	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
18	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
19	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
20	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
21	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
22	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
23	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
24	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
25	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
26	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
27	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
28	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
29	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
30	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
31	77.2	25.7	77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967
Monthly			77.2	25.7	81	27.8	76.6	24.8	72	22.2	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: STATION: MONTH: YEARS: 1967 197 1977

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	
1	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
2	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
3	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
4	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
5	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
6	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
7	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
8	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
9	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
10	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
11	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
12	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
13	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
14	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
15	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
16	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
17	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
18	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
19	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
20	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
21	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
22	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
23	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
24	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
25	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
26	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
27	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
28	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
29	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
30	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
31	7.0	21.0	7.0	21.0	27.0	27.0	7.0	21.0	1977
Monthly									

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME

STATION

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
2	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
3	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
4	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
5	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
6	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
7	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
8	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
9	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
10	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
11	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
12	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
13	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
14	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
15	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
16	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
17	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
18	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
19	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
20	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
21	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
22	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
23	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
24	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
25	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
26	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
27	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
28	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
29	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
30	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
31	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970
Monthly	59.0	15.0	59.0	15.0	67.0	19.4	59.0	15.0	59.0	15.0	1970

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1 1947 1977-1977

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	5.0	1.0	1.0	21.0	7.0	21.0	7.0	21.0	34.0	17.0	5.0	17.0	1977
2	6.0	1.0	1.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
3	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
4	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
5	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
6	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
7	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
8	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
9	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
10	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
11	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
12	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
13	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
14	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
15	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
16	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
17	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
18	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
19	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
20	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
21	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
22	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
23	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
24	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
25	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
26	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
27	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
28	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
29	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
30	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
31	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977
Monthly	6.0	1.0	7.0	21.0	7.0	21.0	7.0	21.0	37.0	17.0	5.0	17.0	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS

YEARS

[illegible]

SOMS

EXTREME VALUES

W. - A. W. TEMPER: Y. (R.)
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
1	1	1960-1961

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-28-2001 BY 60322 UCBAW

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

WATSON M. TEMPERLEY
(FROM DAILY OBSERVATIONS)

STATION NAME 4-57, 7-57 YEARS

NO. OF RECORDS FURNISHED

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	54	51	54	57	57	58	57	57	51	67	59	53	54
2	51	44	57	53	60	60	71	72	56	55	51	51	54
3	51	47	47	57	57	57	69	71	57	67	57	57	54
4	51	52	49	55	51	51	60	72	57	72	62	52	54
5	50	57	57	57	57	63	72	72	74	74	77	54	54
6	50	49	57	57	57	67	70	72	77	76	75	57	54
7	51	57	57	57	57	67	71	72	71	67	71	57	54
8	51	57	57	57	57	64	69	74	74	74	71	57	54
9	51	57	57	57	57	64	72	74	71	75	71	53	54
10	51	57	57	57	57	64	72	74	71	75	71	57	54
11	51	57	57	57	57	64	72	74	71	75	71	57	54
12	51	57	57	57	57	64	72	74	71	75	71	57	54
13	51	57	57	57	57	64	72	74	71	75	71	57	54
14	51	57	57	57	57	64	72	74	71	75	71	57	54
15	51	57	57	57	57	64	72	74	71	75	71	57	54
16	51	57	57	57	57	64	72	74	71	75	71	57	54
17	51	57	57	57	57	64	72	74	71	75	71	57	54
18	51	57	57	57	57	64	72	74	71	75	71	57	54
19	51	57	57	57	57	64	72	74	71	75	71	57	54
20	51	57	57	57	57	64	72	74	71	75	71	57	54
21	51	57	57	57	57	64	72	74	71	75	71	57	54
22	51	57	57	57	57	64	72	74	71	75	71	57	54
23	51	57	57	57	57	64	72	74	71	75	71	57	54
24	51	57	57	57	57	64	72	74	71	75	71	57	54
25	51	57	57	57	57	64	72	74	71	75	71	57	54
26	51	57	57	57	57	64	72	74	71	75	71	57	54
27	51	57	57	57	57	64	72	74	71	75	71	57	54
28	51	57	57	57	57	64	72	74	71	75	71	57	54
29	51	57	57	57	57	64	72	74	71	75	71	57	54
30	51	57	57	57	57	64	72	74	71	75	71	57	54
31	51	57	57	57	57	64	72	74	71	75	71	57	54
MEAN													
S.D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
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[illegible]

SMOS

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

4-67-7-15

STATION

STATION NAME

YEARS

1. I OFFER FOR SALE
/A/ A LOT OF FULL GROWN

[illegible]

SOMS

14718 2097.54321

MONY

HOURS (L.S.T.)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14218 2097 54321

NAVWEASERVCOM

[illegible]

147th 2097-54321

MONTH

HOURS (L.S.T.)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONTH

HOURS (L.S.T.)

NAVWEASERVCOM

14718 2097-54321

MONTH

HOURS (L.S.Y.)

NAVWEASERVCOM

NAVWEASERVCOM

14218 2097-54321

1078 2097-54321

MONTH

HOURS (L S T)

NAVWEASERVCOM

[illegible]

14718 2097 54321

MONTH

HOURS (L.S.T.)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

HOURS (L S Y)

14218 2097-54321

NAVWEASERVCOM

[illegible]

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

HOURS (L S Y)

[illegible]

NAVWEASERVCOM

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
Jan.		100.0	100.0	100.0	100.0	99.9	79.7	57.1	29.4	11.7	72.5	102
Feb.		100.0	100.0	100.0	99.9	95.1	77.1	65.7	51.0	11.7	72.1	102
Mar.		100.0	100.0	100.0	100.0	99.9	79.9	64.0	44.7	17.3	73.0	102
Apr.		100.0	100.0	100.0	99.9	99.9	82.1	69.4	29.0	5.0	67.1	102
May		100.0	100.0	100.0	99.9	96.0	83.7	69.0	29.2	1.0	65.0	102
June		100.0	100.0	100.0	99.9	99.9	85.0	70.0	24.1	1.4	67.4	102
July		100.0	100.0	100.0	100.0	99.9	79.7	63.0	20.0	19.0	71.2	102
Aug.		100.0	100.0	100.0	100.0	99.9	79.2	67.0	41.2	12.0	73.0	102
Sept.												
Oct.												
Nov.												
Dec.												
TOTALS		100.0	100.0	100.0	99.7	97.0	77.0	60.6	21.4	10.1	70.0	1020

MONTH

[illegible]

STATION NAME: ASHEVILLE, NORTH CAROLINA PERIOD: MONTH: 1976

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
1		100.0	100.0	100.0	100.0	94.7	79.6	63.7	47.7	31.7	11.7	72.4	30
2		100.0	100.0	100.0	100.0	95.7	76.7	60.7	47.7	31.7	9.7	72.6	30
3		100.0	100.0	100.0	100.0	92.7	71.7	47.7	29.7	11.7	1.3	66.6	30
4	11	100.0	100.0	100.0	99.0	92.0	53.7	27.3	12.7	15.0	7.0	63.3	30
5	13	100.0	100.0	99.7	99.0	90.7	40.3	28.7	12.7	20.0	2.3	62.4	30
6	17	100.0	100.0	100.0	99.0	95.0	56.3	35.0	20.0	37.7	7.7	65.4	30
7		100.0	100.0	100.0	100.0	97.7	73.7	43.7	27.7	11.7	1.3	70.1	30
8	21	100.0	100.0	100.0	100.0	93.7	72.7	49.7	23.7	22.0	7.3	71.2	30
TOTALS		100.0	100.0	100.0	99.0	90.7	65.8	41.7	24.0	7.0	7.0	65.4	240

55

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
January	20	100.0	100.0	100.0	100.0	99.4	94.2	78.7	58.4	15.8	81.7	310
February	20	100.0	100.0	100.0	100.0	99.7	93.9	80.0	58.4	17.4	81.0	310
March	20	100.0	100.0	100.0	100.0	99.0	89.4	71.0	40.7	18.7	78.2	310
April	21	100.0	100.0	100.0	100.0	94.6	78.7	58.1	22.4	6.0	70.1	310
May	21	100.0	100.0	100.0	100.0	94.0	74.5	51.0	25.5	6.0	70.9	310
June	21	100.0	100.0	100.0	100.0	90.6	69.6	57.4	22.1	6.6	72.8	310
July	21	100.0	100.0	100.0	100.0	90.6	60.6	71.0	49.0	6.4	77.3	310
August	21	100.0	100.0	100.0	100.0	89.7	91.3	76.0	64.0	14.0	79.8	310
September	20											
October	20											
November	20											
December	20											
TOTALS		100.0	100.0	100.0	100.0	97.0	86.7	68.1	34.8	11.0	76.6	2400

OCEANAV-SMOS

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1	100.0	100.0	100.0	100.0	100.0	100.0	99.7	98.2	87.0	71.1	53.1	209
2	100.0	100.0	100.0	100.0	100.0	100.0	99.3	96.2	86.5	71.1	53.4	209
3	100.0	100.0	100.0	100.0	100.0	99.0	94.7	80.0	65.3	53.3	39.9	210
4	100.0	100.0	100.0	100.0	99.0	96.0	86.0	67.3	51.0	37.2	26.2	208
5	100.0	100.0	100.0	100.0	98.0	87.0	67.0	44.0	24.7	10.2	3.3	208
6	100.0	100.0	100.0	100.0	98.0	89.3	67.0	41.0	21.0	6.7	74.8	210
7	100.0	100.0	100.0	100.0	100.0	97.3	81.0	62.0	42.0	17.0	70.7	209
8	100.0	100.0	100.0	100.0	100.0	96.0	86.0	76.3	50.0	17.7	21.7	209
TOTALS		100.0	100.0	100.0	100.0	99.0	91.0	77.0	49.0	17.1	7.9	209

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME: ASHEVILLE, NORTH CAROLINA PERIOD: 1-70 MONTH: JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00	100.0	100.0	100.0	100.0	100.0	99.2	3.5	50.4	12.6	91.6	310
	01	100.0	100.0	100.0	100.0	100.0	99.7	22.0	4.0	12.6	89.3	310
	02	100.0	100.0	100.0	100.0	99.7	98.1	23.7	4.0	6.8	78.7	310
	03	100.0	100.0	100.0	100.0	99.4	94.6	61.0	21.7	5.8	73.8	310
	04	100.0	100.0	100.0	100.0	98.7	91.0	54.2	19.1	4.0	72.7	310
	05	100.0	100.0	100.0	100.0	99.7	96.1	61.0	21.0	6.8	71.5	310
	06	100.0	100.0	100.0	100.0	99.7	97.4	46.1	42.6	8.7	70.7	310
	07	100.0	100.0	100.0	100.0	100.0	98.7	90.4	80.6	7.4	69.3	310

OCEANAV-SMOS

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PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
Jan	100.0	100.0	100.0	100.0	100.0	100.0	96.7	79.2	56.5	5.7	77.2	300
Feb	100.0	100.0	100.0	100.0	100.0	100.0	97.2	85.7	70.0	4.7	77.3	300
Mar	100.0	100.0	100.0	100.0	99.7	91.0	82.3	70.3	5.7	74.7	300	
Apr	100.0	100.0	100.0	100.0	99.7	91.5	82.7	70.3	1.3	69.7	300	
May	100.0	100.0	100.0	100.0	97.7	81.3	65.7	50.0	1.0	67.6	300	
Jun	100.0	100.0	100.0	100.0	99.7	84.3	62.3	41.7	1.7	69.7	300	
Jul	100.0	100.0	100.0	100.0	100.0	95.3	68.7	24.7	2.7	74.4	300	
Aug	100.0	100.0	100.0	100.0	100.0	96.3	75.0	31.7	2.3	75.9	300	
TOTALS		100.0	100.0	100.0	100.0	99.4	91.5	81.0	24.2	1.4	73.3	3000

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME: ASHEVILLE PERIOD: 10-75 MONTH: NOV

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
01	00	100.0	100.0	100.0	100.0	6.1	34.8	64.8	78.4	8.2	73.7	310
01	01	100.0	100.0	100.0	100.0	26.5	67.4	65.2	34.2	4.3	74.3	310
01	02	100.0	100.0	100.0	100.0	46.5	25.2	61.0	27.4	7.1	73.3	310
01	03	100.0	100.0	100.0	99.4	91.5	70.3	43.2	12.5	2.9	67.8	310
01	04	100.0	100.0	100.0	99.4	92.6	65.4	30.1	14.8	2.6	67.1	310
01	05	100.0	100.0	100.0	99.7	94.7	76.2	46.3	17.4	3.5	67.2	310
01	06	100.0	100.0	100.0	99.7	97.1	83.2	57.4	21.0	5.2	72.3	310
01	07	100.0	100.0	100.0	99.7	95.5	84.2	60.5	24.1	4.2	72.7	310
					</							

OCEANAV-SMOS

RELATIVE HUMIDITY

10

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
NOV	27	100.0	100.0	100.0	100.0	97.0	74.7	50.0	22.7	4.7	71.0	370
	28	100.0	100.0	100.0	100.0	97.0	79.7	50.0	26.3	5.0	71.2	370
	29	100.0	100.0	100.0	100.0	96.3	79.3	48.7	26.3	5.7	70.9	370
	31	100.0	100.0	100.0	99.3	89.3	60.3	36.3	16.3	2.7	65.7	370
	30	100.0	100.0	100.0	100.0	97.3	57.7	23.0	14.0	2.3	64.6	370
	31	100.0	100.0	100.0	100.0	96.0	60.3	37.0	15.3	2.3	67.0	370
	30	100.0	100.0	100.0	100.0	97.3	76.0	44.0	19.3	3.7	69.6	370
	31	100.0	100.0	100.0	100.0	96.7	70.0	47.0	21.0	6.3	70.1	370
TOTALS		100.0	100.0	100.0	99.9	94.7	71.0	43.7	20.7	3.7	65.0	2470

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME: ASHEVILLE, NORTH CAROLINA PERIOD: 7 - 74 MONTH: ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	244	100.0	100.0	100.0	99.5	92.1	73.7	40.4	7.2	7.0	71.8	2443
FEB	171	100.0	100.0	100.0	99.7	93.7	72.3	49.6	27.4	5.1	71.8	2256
MAR	241	100.0	100.0	100.0	99.4	92.0	76.2	54.0	35.1	12.2	72.0	2410
APR	240	100.0	100.0	100.0	99.7	89.7	65.8	41.3	24.0	7.0	69.4	2400
MAY	240	100.0	100.0	100.0	100.0	97.8	86.7	60.1	44.0	11.3	76.6	2400
JUN	240	100.0	100.0	100.0	100.0	99.3	93.2	77.9	49.0	12.1	75.9	2397
JUL	240	100.0	100.0	100.0	100.0	99.5	87.0	76.1	39.3	7.1	77.7	2400
AUG	240	100.0	100.0	100.0	100.0	99.6	89.3	67.2	23.8	4.1	74.3	2400
SEP	240	100.0	100.0	100.0	100.0	99.4	89.1	61.0	24.2	3.4	73.2	2410
OCT	240	100.0	100.0	100.0	99.7	97.1	80.3	54.7	23.4	4.7	71.3	2400
NOV	240	100.0	100.0	100.0	99.9	94.3	73.0	43.3	20.7	3.7	65.8	2399
DEC	240	100.0	100.0	100.0	99.7	85.7	65.3	38.5	13.7	3.7	67.1	2400
TOTALS		100.0	100.0	100.0	99.0	95.7	80.6	57.0	30.2	7.3	72.6	29194

OCEANAV-SMOS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: 1000 4432 54321
YEAR: 1979
MONTH: JAN

TEMP.	WIND DIRECTION										TOTAL FREQ.	% OF TOTAL
	N & N	NNE	ENE	ESE	SSE	SSW	WSW	WNW	CALM			
72												
73												
74												
75												
76												
77												
78												
79												
80												
81												
82												
83												
84												
85												
86												
87												
88												
89												
90												
91												
92												
93												
94												
95												
96												
97												
98												
99												
100												
TOTAL	17.0	8.0	5.0	15.2	17.5	17.5	17.5	17.5	7.0	17.5	17.5	17.5

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION: 107-50 000 1 70 0000

DATE: 10/1/50

MONTH: 10

YEAR: 1950

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
121										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91										
82 TO 86										
77 TO 81				1.0	12.0	1.0	2.0			1.0
72 TO 76	0.1	2.0	2.0	3.0	23.0	15.0	5.0	1.0	56	5.0
67 TO 71	1.0	5.1	1.2	1.0	15.0	21.7	12.0	2.0	69	6.0
62 TO 66	1.0	1.0	0.0	4.0	4.0	17.3	30.0	4.0	89	8.0
57 TO 61	0.2	0.0	0.0	1.0	1.0	22.0	33.0	4.0	106	9.0
52 TO 56						42.0	57.0			
47 TO 51										
42 TO 46										
37 TO 41										
32 TO 36										
27 TO 31										
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
0 TO 1										
1 TO 4										
12 TO 17										
18 TO 23										
24 TO 29										
30 TO 35										
36 TO 41										
42 TO 47										
48 TO 53										
54 TO 59										
60 TO 65										
66 TO 71										
72 TO 77										
78 TO 83										
84 TO 89										
90 TO 95										
96 TO 101										
102 TO 107										
108 TO 113										
114 TO 119										
120 TO 125										
TOTALS	1.0	5.0	0.1	0.0	17.0	17.0	1.0	7.0	70	6.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION

PERIOD

YEAR

DATE

MONTH

HC RE 4557

WIND DIRECTION														TOTAL FREQ.	CALM	% OF TOTAL
TEMP.	NW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW								
102 -																
107 TO 111																
112 TO 116																
107 TO 111																
102 TO 106																
97 TO 101																
92 TO 96																
87 TO 91																
82 TO 86																
77 TO 81	1.0	1.0	1.4	4.7	13.7	45.3	21.4	7.7	0.9	11	4.7					
72 TO 76		2.0	6.9	7.0	2.5	12.0	17.2	4.6	0.7	6	2.4					
67 TO 71	0.1	2.0	1.0	6.0	11.0	10.0	21.5	14.0	2.3	1	3.0					
62 TO 66	12.0	7.0	1.0	6.0	11.0	10.0	21.5	14.0	2.3	1	3.0					
57 TO 61	7.0	7.0	6.5	2.2	2.5	2.0	14.0	5.0	4.5	4	1.0					
52 TO 56	1.0	2.0					2.0	2.0	2.0	1	0.1					
47 TO 51							2.0	2.0								
42 TO 46																
37 TO 41																
32 TO 36																
27 TO 31																
22 TO 26																
17 TO 21																
12 TO 16																
7 TO 11																
2 TO 6																
-3 TO 3																
-8 TO -4																
10 TO 14																
-16 TO -12																
-21 TO -16																
-26 TO -21																
-31 TO -27																
-36 TO -31																
-41 TO -37																
-46 TO -41																
-51 TO -47																
-56 TO -51																
TOTALS	17.0	5.0	5.1	1.0	17.3	17.7	13.4	14.7	2.0	34.7	12.0					

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION

DATE

YEAR

MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NW & N	NNE & NE	E & ESE	SE & SSE	SSW & SW	WSW & W	VNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122										
117 TO 122										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91										
82 TO 86										
77 TO 81										
72 TO 76	0.1	0.1	4.0	7.0	17.3	27.0	33.0	3.0	100	100
67 TO 71	0.4	0.3	0.0	0.0	10.1	23.0	0.7	0.2	35	35.0
62 TO 66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 TO 61	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 TO 56										
47 TO 51										
42 TO 46										
37 TO 41										
32 TO 36										
27 TO 31										
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-12 TO -8										
-16 TO -12										
-20 TO -16										
-24 TO -20										
-28 TO -24										
-32 TO -28										
-36 TO -32										
-40 TO -36										
-44 TO -40										
-48 TO -44										
-52 TO -48										
-56 TO -52										
-60 TO -56										
-64 TO -60										
-68 TO -64										
-72 TO -68										
-76 TO -72										
-80 TO -76										
-84 TO -80										
-88 TO -84										
-92 TO -88										
-96 TO -92										
-100 TO -96										
TOTALS	0.6	0.3	0.0	4.0	11.7	10.0	10.7	1.0	20	100

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION

DATE

TIME

MOON

WIND

TEMP

WIND

TEMP

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	3	1	2	4	1	21	21	5	1	1	7.9
72 TO 76		3	1	1	1	21	12	6	1	1	44.5
67 TO 71	1	15	13	12	17	17	10	5	1	2	27.5
62 TO 66	1	12	13	4	5	11	11	13	7	2	10.0
57 TO 61				1		14	14				
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
3 TO 1											
6 TO 4											
10 TO 8											
16 TO 14											
22 TO 18											
28 TO 24											
34 TO 29											
40 TO 35											
46 TO 41											
52 TO 47											
58 TO 53											
64 TO 59											
70 TO 65											
76 TO 71											
82 TO 77											
88 TO 83											
94 TO 89											
100 TO 95											
TOTALS	6	21	11	11	27	17	12	1	1	24	100

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION

STATION 107-50 107-50 107-50

DATE

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	E & ESE	SE & S	SSW & S	WSW & W	CALM	TOTAL FREQ.	% OF TOTAL
122									
137 TO 131									
112 TO 116									
107 TO 111									
102 TO 106									
97 TO 101									
92 TO 96									
87 TO 91									
82 TO 86									
77 TO 81									
72 TO 76									
67 TO 71									
62 TO 66									
57 TO 61									
52 TO 56									
47 TO 51									
42 TO 46									
37 TO 41									
32 TO 36									
27 TO 31									
22 TO 26									
17 TO 21									
12 TO 16									
7 TO 11									
2 TO 6									
-3 TO 1									
-8 TO -4									
-13 TO -9									
-18 TO -14									
-23 TO -19									
-28 TO -24									
-33 TO -29									
-38 TO -34									
-43 TO -39									
-48 TO -44									
TOTALS									

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION 12432-54321

DATE 10-10-66

WIND DIRECTION

WIND DIRECTION

WIND DIRECTION

WIND DIRECTION

WIND DIRECTION

WIND DIRECTION

WIND DIRECTION

WIND DIRECTION

WIND DIRECTION

WIND DIRECTION

TEMP.	NW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
100											
90											
80											
70											
60											
50											
40											
30											
20											
10											
0											
10											
20											
30											
40											
50											
60											
70											
80											
90											
100											
TOTALS	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	14.7	100

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION

DATE

WIND DIRECTION

TEMP.	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	TOTAL	OF TOTAL
0-10												
10-20												
20-30												
30-40												
40-50												
50-60												
60-70												
70-80												
80-90												
90-100												
TOTALS												

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

WIND DIRECTION										TOTAL	
WIND DIRECTION	N	NE	E	SE	S	SW	W	WNW	W	WIND & NO.	TOTAL FREQ.
0-10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
11-20	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
21-30	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
31-40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
41-50	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
51-60	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
61-70	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
71-80	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
81-90	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
91-100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.
WIND DIRECTION

STATION

DATE

TIME

MONTH

YEARS LAST

WIND DIRECTION

TEMP.	NW & N	NNE & NE	ESE & E	ESS & SE	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
121										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91					0.1					
82 TO 86	2.	2.	1.4	7.0	64.2	25.5	2.0	1.0	97	0.6
77 TO 81	8.	1.1	11.	25.	19.1	7.9	4.2	2.2	78	13.9
72 TO 76	1.7	1.0	24.2	3.	7.7	0.3	7.7	1.5	59	4.0
67 TO 71	22.3	2.0	17.7	0.9	2.6	1.0	0.2	7.4	57	11.4
62 TO 66	2.	15.0				0.0	0.7		17	1.0
57 TO 61	10.0								1	
52 TO 56										
47 TO 51										
42 TO 46										
37 TO 41										
32 TO 36										
27 TO 31										
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-63 TO -59										
-68 TO -64										
-73 TO -69										
-78 TO -74										
-83 TO -79										
-88 TO -84										
-93 TO -89										
-98 TO -94										
TOTALS	0	14.	1	7	17.6	0.2	0	4.0	97	100

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION 107-0.0. DATE 1979. MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESSE & SE	SSW & SW	WSW & W	VNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91										
82 TO 86										
77 TO 81	0.3	0.5	1.0	11.0	71.0	15.0	0.0	1.0	99.0	1.0
72 TO 76	0.7	12.3	1.0	11.0	17.4	16.0	11.1	1.4	59.8	39.8
67 TO 71	1.0	11.4	0.6	5.4	0.7	1.0	12.0	2.0	31.0	30.7
62 TO 66	0.0	11.1	2.7	1.0	0.7	4.1	1.0	7.1	24.0	10.2
57 TO 61	0.1	13.0				0.4	1.0	17.2	31.8	10.2
52 TO 56										
47 TO 51										
42 TO 46										
37 TO 41										
32 TO 36										
27 TO 31										
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-63 TO -59										
TOTALS	11.4	11.3	1.0	0.0	1.0	12.0	11.7	1.0	24.0	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND DIRECTION										WIND 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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: 4432-54321 MONTH: JUL YEAR: 1979 HOURS: L.S.T.

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87 TO 91	0	1.7	12.4	7.0	10.7	27.5	20.3	2.3	0.1	21	0.7
82 TO 86	3.7	0.0	13.3	25.3	21.2	14.5	3.0	1.1	32	1.1	11.7
77 TO 81	1.5	6.2	13.4	0.0	22.3	12.0	4.7	2.7	146	2.7	11.1
72 TO 76	0	9.1	14.6	3.6	19.1	19.7	13.3	5.3	1.9	5610	19.2
67 TO 71	1.0	7.2	0.9	2.7	19.2	19.9	17.3	8.0	1.1	1307	21.7
62 TO 66	1.0	0.3	2.7	4.0	2.9	11.0	21.2	15.2	2.1	5104	17.0
57 TO 61	0	10.1	0.5	2.8	2.5	3.0	15.7	28.2	0.5	247	7.0
52 TO 56	11.1	4.3	0.1	0.2	0.2	1.6	20.8	4.1	2.0	102	1.1
47 TO 51	0						0	51.0		0	0
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-58 TO -54											
TOTALS	1.1	7.2	1.0	0.1	15.5	17.4	15.3	9.7	2.0	2010	100.0

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HG FROM HOURLY OBSERVATIONS

1959-79

STATION		YEARS												
STATION NAME		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	1017.6	1017.6	1017.7	1017.7	1017.8	1017.9	1020.2	1017.6	1017.1	1016.6	1017.5	1016.9	1016.2
	S. D.	0.347	0.348	0.351	0.351	0.352	0.353	0.354	0.355	0.356	0.357	0.358	0.359	0.360
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37
ALL HOURS	MEAN	1017.4	1017.4	1017.4	1017.4	1017.4	1017.4	1020.1	1017.4	1016.8	1016.3	1017.2	1016.4	1017.8
	S. D.	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
	TOTAL OBS	37	37	37	37	37	37	37	37	37	37	37	37	37

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